

Chemical Week INDEX

Volume 92

January - June, 1963

McGraw-Hill Publishing Co., Inc.
330 West 42nd Street - New York, New York 10036



A

Abrasives - Vertical impact pulverizer uses products to grind product	June 22	41
Absorption - Atomic absorption spectrophotometer suitable for process control analysis	Mar. 9	70
Abstracting - STAR abstracting and indexing service covers unpublished international aerospace literature, IAA covers published literature	Jan. 26	83
Accidents		
Be prepared for disaster - Viewpoint	Mar. 9	5
Chemical spills pose costly problems	June 8	71
Lime slurry inundates Louisville plants	Mar. 9	22
New Jersey court ruling on accident reporting could be costly	Mar. 30	35
Acetal resins - Patent dispute ends	May 11	19
Acetaldehyde - Celanese expansion at Bay City, Tex.	June 29	24
Acetic acid		
Celanese expansions in Texas	June 29	24
Outlook: rosy (chart & tables)	June 30	63
Acetic anhydride - Prices - overseas	June 1	122
Acetone		
Market outlook good, despite overcapacity (chart & tables)	Jan. 12	76
Prices	Jan. 19	62
Prices in United Kingdom	Apr. 6	90
Acetylene		
Diamond Alkali-Montecatini process hassle comes to boil	Apr. 27	60
USDA acetylene treated cotton research contract	June 15	80
Acids - H acid prices	Mar. 9	72
Acrylics		
Acrylic rubber called Cyanacryl	Mar. 9	77
Fibers roll up new rug gains (charts)	June 29	61
Diffunctional acrylic monomer, BOMA	Feb. 2	42
Koppers plans acrylic latex production	May 25	55
Prices	June 29	57
Staple fiber is not being dumped in U.S.	June 15	98
Acrylonitrile		
Copolymers of acrylonitrile and alpha-olefins	June 29	47
Impact of price changes on demand (chart & tables)	Mar. 23	96
Price hike	Mar. 23	101
Price hike rescinded	Mar. 30	59
Adhesives		
Epoxy adhesive	May 18	68
Neoprene adhesives provide higher hot holding ability	June 8	68
Sandable wood adhesive	Mar. 23	36
Universal adhesive assembled	Apr. 20	75
Urethane foam adhesive	Feb. 9	49
Urethane foam adhesive, Crestane F-102	Jan. 26	92
Advertising		
Acrylic acrylic fiber maker tries cooperative advertising, TV	Jan. 19	37
Bayer Aspirin ad ruling up - FTC injunction denied	Mar. 30	36
Bayer Aspirin ad ruling upheld by federal court of appeals	May 18	18
Calendar promotions: worth the tab? - letter	Feb. 9	7
Dallas tycoon urges industry to withhold advertising support from "antibusiness" media - letter	Jan. 12	7
FTC case against sleeping bag manufacturers	Mar. 16	27
FTC deceptive advertising proposals opposed by business	June 22	30
Nylon tricot promotion	June 8	60
Rapid Shave television commercials still under fire	Mar. 23	114
Aerosols		
Aerolon aerosol lubricants and release films	May 18	68
Automotive aerosol paint field is growing	Jan. 26	85
Carbon dioxide propellant marketing agreement	May 4	63
Carbon dioxide propellant marketing agreement will enhance Carbide's one stop aerosol sales	May 18	49
Concentrate combines synergized pyrethrins with DDVP	May 4	69
Etcher in aerosol container	Mar. 2	42
Food packaging propellant prices	Apr. 27	72
Gold-plating by aerosols	Mar. 30	50
Industrial spray cleaner	Mar. 9	56
New York City Fire Dept. regulations - Proposals shock industry	Jan. 26	17
CSMA opposition - Lawmakers need your advice - Viewpoint	Feb. 2	5
View on container size softens, propane propellants still on blacklist	Mar. 2	18
Appeal by aerosol maker granted	Apr. 27	17
Meeting date set	June 1	23
Concessions outlined by Fire Dept.	June 8	63
Production tops billion unit/year mark	May 25	151
Tire inflator, Spare Tire, sales at \$50-million/year level	June 8	68
Water-base aerosol valve	June 8	68
Africa		
Kenya is world's leading pyrethrum producer (map)	May 18	50
South Africa brews trouble - Viewpoint	Apr. 20	5
South Africa - good investment opportunity despite internal unrest (map)	Apr. 20	47
South Africa - U.S. interests provide capital for chemical plant	Mar. 9	37
South African oil refinery considered	Apr. 6	51
Agricultural Chemicals - Pesticides - report Oscar Johnson & others (charts & tables)		

Pt. 1. Insecticides, miticides, nematocides, rodenticides	May 25	117
Pt. 2. Fungicides and herbicides	June 1	55
Air Compressors - Dryer removes contaminants from compressed air	Apr. 20	84
Air Conditioning - On-site central heating and air-conditioning systems from Uni-Plant	Feb. 23	154
Air Pollution		
Canadian firm develops device for motor vehicle crankcases	Feb. 23	100
Enforcement of air pollution control standards possible under new mass transit legislation	Apr. 20	37
MCA study finds CPI spending \$6 million year on air pollution research	Jan. 5	18
Oregon and Florida step up antipollution drives, North Carolina eases up	May 25	174
Oregon praises aluminum mill's air quality control program	Apr. 27	38
Recording camera measures contaminants in air	June 1	107
Steel firm discontinues oxygen lancing	Apr. 20	74
Alcohols - Aliphatic alcohols slow evaporation of water in reservoirs	May 4	56
Algicides		
Biocides for algae control	Apr. 6	101
Pool algicide, Algimaster W-50, available for repackaging under private label	Apr. 27	52
Algeria - Petrochemical venture appears, doomed, Phillips withdrawal announced	Jan. 5	24
Alkandic anhydride - Available from Wallace & Tieman	Mar. 23	35
Alkyl benzene sulfonate - Plant to remove chemical from sewage moves nearer to reality	Jan. 19	51
Alkylates - Detergent alkylate projects launched	June 15	23
Alloys		
Manganese and chromium ferroalloy producers seek import quotas	June 1	54
Molybdenum alloy	Jan. 5	35
Superconducting columbium-zirconium alloy	Mar. 9	55
Union Carbide drops ferroalloy operations	May 25	33
Alum - Import competition forces U.S. firm out of iron-free alum business	May 25	152
Alumina		
Alumina-from-clay process tested	Feb. 16	47
Alumina-from-clay project a success	May 25	113
Markets are in trouble	May 4	64
Translucent alumina called Lucalox	Mar. 2	51
Aluminum		
Alumina-from-clay process - letter	Feb. 2	10
Alumina-from-clay process tested	Feb. 16	47
Aluminum granules for use as plastic fillers	May 4	69
Continuous process for casting aluminum	Apr. 20	75
For aluminum: a new high in '62 - Business benchmarks	Feb. 2	74
GSA is unable to sell 5,000 tons of off-grade aluminum; stockpile sale planned	Mar. 2	28
GSA still unable to sell off-grade aluminum	Apr. 6	36
GSA will make another attempt to sell off-grade aluminum	Mar. 9	27
Grain refiner called Tizox	Apr. 27	55
Lubricant additive may have broad application in aluminum fabrication methods	Jan. 26	70
Lubricants to be marketed under CINDOL trademark	June 29	48
Market prospects are steadily brightening	May 4	63
Markets are growing	May 11	82
Poland's output up	Jan. 12	57
Price of aluminum ingot	May 25	152
Primary metals buildup in Southwest (map)	Mar. 2	24
Stockpile disposal plan in final stages of preparation	Apr. 20	38
Stockpile sales are in the offing	May 11	30
Aluminum chloride - Prices	Mar. 16	72
Aluminum sulfate - North American Coal shuts down plant	Apr. 13	25
American Assn. of Textile Chemists and Colorists Dropped from IRS list of scientific organizations	Mar. 23	112
American Chemical Society		
Los Angeles meeting highlights	Apr. 6	70
Mining minerals from the sea discussed at Los Angeles meeting	Apr. 13	70
Symposium on Organic Nuclear Reactor Coolant Technology (table)	Apr. 20	69
American Institute of Biological Sciences - NSF funds for research projects misused	Feb. 2	32
American Institute of Chemical Engineers - 49th national meeting spotlights propylene and ethylene	Mar. 30	68
Amides - New family of amides called 700 series	Feb. 23	93
Amines		
Canadian fatty amines marketing race	Jan. 5-59	
New amines available in research quantities	Feb. 23	129
Triple-bonded amine series includes propargylamine hydrochloride	Apr. 13	70
Aminobenzotrifluoride - Ortho and meta isomers of aminobenzotrifluoride	June 1	107
3-aminopyridine - New process makes chemical in large quantities	Feb. 2	66
Ammonia		
Autothermal process used by Frontier	Mar. 30	49
Cost-price squeeze intensifies, spurs drive for more efficient catalysts	Jan. 12	71
Estes, Billie Sol, gets 15-year sentence; state readies antitrust suit	Apr. 27	25
Odessa Natural Gasoline will build plant in Texas	June 8	24
Overcapacity shapes up in Texas	June 29	57
Ammonium citrate - Printed circuit makers consider persulfate etchant	May 11	69
Ammonium thiocyanate - Prices	Jan. 26	25
	Feb. 23	130

Animal health products will be billion-dollar market by '70's	May 25	152
Animal Repellents - "Dog discourager" called Halt	Apr. 27	50
Anodes - High-purity graphite anode prices	Jan. 12	67
Antibiotics		
Ion-exchange separation and purification processes for antibiotics - Russian report	Mar. 2	56
Price cuts in United Kingdom	June 15	97
Skin cream called Amphocortin	June 1	108
Trade secrets case		
Cancelation and Fine plead guilty	Jan. 5	24
Gerace pleads guilty; Frank Delaney observes case as friend of Visconti	Jan. 19	24
Antifreeze - Sales up in '62	May 25	151
Antioxidants		
New antioxidants for polypropylene are pay-off of plastic stabilizer probe	Mar. 30	51
- letter	Apr. 27	7
Noncoloring and nonvolatile antioxidant	June 22	74
Anti-Trust Act		
American Viscose, FMC accept antitrust challenge	June 15	21
American Viscose-FMC, Cities Service-Tennessee Corp. mergers - Justice Dept. decisions may be near	Mar. 30	17
American Viscose-FMC merger - Justice Dept. still undecided	June 8	19
American Viscose-FMC merger - opposition affidavits by Hans Stauffer and Presson Shane	June 29	18
American Viscose-FMC merger postponed at Justice Dept.'s request	May 18	22
American Viscose-FMC merger still under study at Justice Dept.	Feb. 16	30
Antitrusters will concentrate on reciprocity and joint ventures	Mar. 16	22
Cement merger charges	June 1	30
Cities Service-Tennessee Corp. merger delayed	Apr. 6	17
Cities Service-Tennessee Corp. merger may be challenged	Mar. 2	23
Cities Service-Tennessee Corp. merger problems solved; Continental Oil-American Agricultural Chemical merger may be in trouble	June 8	19
Copper case: Newmont will fight civil suit	Jan. 19	20
Copper firms charged with violating antitrust laws	Jan. 12	23
Estes case: Texas readies ammonia antitrust suit	Apr. 27	25
Federal judges okay Penn-Olin joint venture, Lever acquisition of Monsanto's All detergent	May 11	21
Is antitrust un-American - Viewpoint	Apr. 6	5
Justice Dept. wants to change appeals procedure	May 11	29
Kefauver eyes Common Market antitrust rules	Mar. 16	21
Martin Marietta will divest itself of 75 cement plants	Mar. 30	28
Merger complaint against makers of ready-mixed concrete dismissed	June 1	54
1963 - another active antitrust year for CPI (table)	Feb. 23	39
Orrick, William H., Jr., will head Antitrust Division	May 25	71
Owens-Illinois Glass agrees to sell six plants to settle antitrust suit	June 22	25
Penn-Olin: facts vs. theory - Viewpoint	May 11	5
- letter	Jan. 15	5
Plasma-arc torch antitrust charges	Jan. 19	20
Plywood antitrust suit filed	Mar. 23	24
Robinson-Patman Act - layman's guide	Apr. 29	28
Robinson-Patman Act - "unreasonably low prices" section upheld	Mar. 2	27
Trisodium phosphate price fixing complaint - eight firms and MCA sign consent order	Jan. 19	19
Trisodium phosphate pricing due for shakeup in aftermath of antitrust action	Jan. 26	21
Vinyl film products - monopoly charges	Apr. 13	27
White Motor's dealer contracts case to get definitive test in court	Mar. 16	27
Area Development - Arkansas River basin development program	Feb. 16	23
Argentina		
Alliance for Progress prepares guarantee deal for petrochemical project	Mar. 2	28
Full-guarantee agreement with U.S.	June 15	33
Argon - Researchers feel it is impossible to make argon compounds	Mar. 23	77
Arsenic - Amorphous arsenic	Mar. 2	41
Atomic Energy Commission		
Civilian nuclear power program (chart)	Apr. 13	23
Nuclear Safety Information Center established	June 22	46
Atomic Power		
AEC pushes to put civilian nuclear power business into private hands (chart)	Apr. 13	23
All-nuclear Navy planned	Apr. 20	38
Canada considers four 405-megawatt reactors	Apr. 27	60
Canada weighs heavy water project, decision may have major impact on development of nuclear power plants (table)	Jan. 19	53
Canadian engineers scale up atom plant size, scale down power costs (charts)	June 8	33
Canadian researchers eliminate fouling in reactors using organic coolants (table)	Apr. 20	69
Nuclear-powered merchant ships in sight	May 18	82
Periodic table for nuclear particles proposed	Jan. 12	62
Project Plowshare will gather data from series of small, chemical explosions	June 8	47
Safety information center established by AEC	June 22	46

Australia			
Aluminum project planned by French company	Mar.	2	33
Bauxite leases withdrawn	June	1	32
Foreign forecast - report (charts)	Jan.	19	66
Petrochemical companies report losses	June	8	26

Austria			
Antidumping legislation against Czech sales of carbide	Apr.	13	59
Labor leaders oppose Austrian-Soviet bloc trade agreement	Jan.	12	57
Polypropylene supply-demand picture	Apr.	20	54
Slight production increases reported	May	4	38

Automotive			
Crisis in labor - report (chart & tables)	Feb.	23	67
Gulf Oil closes loop on fluidized cat cracker at Philadelphia refinery	Mar.	30	50
Labor Dept. report shows 35,000 jobs are lost each week to machines	Feb.	9	28

Automobiles			
Autos accentuate the positive - Business benchmarks	Jan.	26	102
Autos off to strong start - Business benchmarks	Apr.	13	98
CSMA study shows drop in automotive specialty chemical product sales	May	25	151
Canadian firm develops device for motor vehicle crankcases	Feb.	23	100
Leasing has record year in '62	Jan.	19	38
Turbine engine problems reported	June	1	91
Turbine-powered cars pose problems for petrochemicals, additives - letter	May	18	19
Awards - CPI increases size of cash awards for idea-generating employees	June	29	29

B

Bactericides			
Biocides for slime, algae, and bacteria control	Apr.	6	101
Liquid microbicide, Troysan CMP	June	29	39
Nontoxic fungicide and bactericide called Nicon	Apr.	27	55
Baiffes - Pumping baffle boosts fractionating column efficiency	June	1	102
Barbershops - Cash registers ring with over-the-counter specialties sales	Feb.	16	42
Barbituric acid - Derivatives	Jan.	26	91

Barges			
Chemical barges chart deeper push into Southwest via complex of channels (map)	May	4	75
ICC inquiry into alumina rate exemption	Feb.	16	30
Mechling and May merge	Mar.	16	86
New barge designs should bring new speed to water transport	Jan.	26	94
"Public costs" of barge transportation must be considered in rate disputes	Feb.	2	32
Batteries - Emergency lighting unit features permanently sealed lead-acid battery	Apr.	27	56
Baybakov, Nikolai - U.S.S.R. chemical chief	May	18	29
Bearings - Prime mover will use gas-lubricated bearings	Apr.	27	64
Beer - Adsorbent for beer stabilization	Feb.	9	30
Behind the news	Jan. 19-5,	June	22

Benzene			
Italian bill would ban benzene in solvent applications	May	18	72
Litol plant to upgrade coke-oven BTX - construction plans	June	29	48
Litol process to be used by Bethlehem Steel	May	4	55

Beryllium			
Mincon seeks financing for processing plant in Colorado	Jan.	19	26
Stockholder suit shakes United Technical Industries	May	18	21
U.S. gets third beryllium metal producer	Mar.	23	22
Vitro wins clear title to deposits in Utah	Jan.	12	17
Beverages - Pepsi-Cola and Coca-Cola will test market dietetic drinks	Feb.	16	57

Binders			
Textile binder, Rhoplex K-3	Feb.	23	94
Textile finish-binder, Polycryl 7-7-1	Jan.	12	43
Biochemical fuel cell research (table)	June	29	41
Biological Sciences - U.S. publishes new journal, Russia plans expansion program	Feb.	23	110
Biosynthesis - Hydrocarbon fermentation research booms (tables)	Feb.	2	49
- letter	Feb.	23	7
Bisphenol - Hooker licenses process to U.S. firm	Mar.	2	51

Bleaches			
Chlorine-free liquid bleach called Care	Apr.	6	102
Dry bleach brightens chlorinated cyanurate market outlook	Mar.	2	63

Bolivia			
Phosphate and nitrate fertilizer plant to be built at Onuro	Apr.	27	75

Bonding			
Activated diffusion technique bonds tungsten to itself and to other materials	Jan.	12	69
Cationic starch for use as fiber bonding agent	Feb.	23	94
Explosive cladding moves closer to commercialization	May	25	114
Teflon bonding kits	Jan. 19-65,	June	29
Boric acid - Technical and USP grade prices	Mar.	23	102
Borohydrides - Tetraethylammonium (TEAB) and tetramethyl-ammonium (TMAB) compounds	Apr.	13	91

Boron			
Organo boron chemistry agreement between Shell and Purdue's Herbert Brown	May	18	64

Researchers develop boron fiber	Mar.	16	63
Broken Fluids			
Government-developed corrosion inhibitor	Mar.	23	66
Legislation by states - roundup (table)	June	15	91
Brass - Mill product prices	Jan.	5	59

Brazil			
Nationalists concentrate fire on drug industry	May	18	32
Rubber output rises	June	15	61
Way U.S. chemical makers weigh Brazil's new plans	Feb.	23	46
Bridges - Research into bridge deterioration through use of de-icing chemicals	Apr.	20	37

Bromine			
Great Lakes Chemical claims title to No. 2 spot in U.S. bromine business	Feb.	2	68
Prices	June	1	122
Bromacetyl bromide - New organic intermediate	June	22	73
Bryant, F. Leonard - Hooker Chemical's new chairman	June	15	24

Bulgaria			
Builds first modern refinery at Kameno	June	8	20
Develops chemical industry	Apr.	13	59
Butadiene - Phillips pulls out of Algerian venture	Jan.	5	24
1,3-butylene dimethacrylate (BDMA) - New difunctional acrylic monomer	Feb.	2	42

C

Cadmium			
Government sets minimum market price	May	11	30
Prices	Jan. 19-61, Mar. 2-61,	May	11
Stockpile bill passes House Armed Services Subcommittee	Mar.	16	28
Stockpile sale bill sponsored by Rep. Bonfield	Mar.	9	27
Stockpile sale - NAMF charges "Unconscionable profiteering"	May	18	72
Stockpile sale urged	Jan.	19	61
Stockpile sale will ease current shortage	Apr.	20	96
Calcination - Fluosolids calcining system re-calcinizes spent digester liquor	June	1	104
Calcium citrate - Prices	May	11	69
Calcium propionate - Prices	Mar. 9-71,	June	1

Calibrators			
Electronic instruments calibrator	Mar.	9	55
Strip-chart calibrator	Apr.	20	81
Cameras - Recording camera measures contaminants in air	June	1	107

Canada			
Anti-American issue - Bedfellows - like it or not - Viewpoint	Feb.	16	5
Anti-Americanism may become issue in campaign	Feb.	16	23
Althabasca tar sands project outlined by Shell	Jan.	26	27
Atomic power costs are lowest yet in new reactor proposal (charts)	June	8	33
British American Oil takes over majority interest in Shawinigan Chemicals	Jan.	19	25
Drug patents under attack (table)	Mar.	23	49
Fertilizer industry headed for more expansion	May	18	72
Forecast for CPI in '63	Jan.	5	63
Fourth-ranking chemical company: Canadian Chemical Co.	Mar.	9	33
Heavy-water plant debate postponed	Feb.	16	57
Heavy water project considered, decision may have major impact on development of world nuclear power plants (table)	Jan.	19	53
Liberal government lays down hard tax line that will speed Canadianization of industries	June	22	17
Ontario Research Community under construction	Feb.	2	53
Pearson government calls for two-level taxes aiming at "Canadianization" of industry	June	29	21
Phosphoric acid project from native ores under intense study	Mar.	30	41
Political crisis: what it means to U.S. CPI	Mar.	2	20
Polymer Corp. zeroes in on U.S. rubber market	June	22	31
Sulfur, oil and gas import discussions with U.S.	June	29	18

Cancer			
Ceramic microspheres containing yttrium-90 supplied to medical researchers for studies of internal radiation treatment of cancer	Jan.	5	46
"Hit-and-hide" virus research	May	4	26
PHS study of chemicals as possible cancer-causing agents	Apr.	6	35
Carbide - Carbide parts made from "850" grade carbide for use in ultrahigh pressure applications	Jan.	5	36

Carbon			
Activated carbon combined with filter additive for use in coin-op cleaning equipment	Jan.	26	92
Carbon-14 tagged chemicals	Mar.	23	35
Carbon is more fireproof than some refractory metals, under certain space conditions	May	11	60
Industrial carbon markets in Pacific Northwest	Jan.	5	60

Carbon black			
New process slated for trout in Texas	Feb.	23	99
Prices	May	25	152
Production and sales up in '62	June	1	142

Carbon dioxide - Aerosol propellant marketing agreement	May	18	49
Carbon tetrachloride - Production in '62	Mar.	23	18

Carpets			
Polypropylene carpet lineup grows	Feb.	16	57
Synthetic fibers roll up rug sales (charts)	June	29	61
Catalogs - Microfilmed equipment catalogs speed data searches in plants	Apr.	13	92

Catalysts			
Catalyst cleaning process, Wet-X - separation process is key to technique	Apr.	20	74
Ethylene oxide catalyst	June	15	79
Hydrocracking process gets first taker	June	29	48
Hydrogen production - new catalyst, G-66, promises significant economies in hydrogen plants	Feb.	2	41
Molecular sieve hydrocarbon catalyst with pore size between 6 and 15 angstroms	Feb.	23	100
Sohio will test uranium catalyst	Feb.	23	99

Caustic soda			
Liquid caustic prices	Feb.	23	130
More chlorine-caustic expansion (map)	Jan.	26	23
New uses and growing markets keep producers hopeful (table)	Mar.	16	75

Cellophane			
Loses ground to newer films (charts & table)	May	11	73
Vinyl-copolymer-coated cellophane, "R-18"	Mar.	9	62

Cellulose			
Chemical wood cellulose prices	June	29	58
Cotton-seed cellulose ether reported by Russians	Mar.	2	58
Cellulose acetate - Outlook: rosy (chart & tables)	Mar.	30	63

Cement			
Antitrusters question Diamond and Alkali-Bessemer merger	June	1	30
Martin Marietta will sell 75 cement plants	Mar.	30	28
Russian building material, Arbolit, may be better than cement	Feb.	2	42

Central America			
Common Market launches "integrated factories" idea (map)	Mar.	9	31
Kennedy's trip points up U.S.'s growing interest in Central American trade	Mar.	30	56
Centrifuges - Solid-bowl centrifuge called Merco Bowl	May	18	67
Ceramics - microspheres containing yttrium-90 supplied to medical researchers for studies of internal radiation treatment of cancer	Jan.	5	46
Cesium chloride - Low-optical-density cesium chloride	May	4	69

Chemical Industry Council of New Jersey			
Press relations discussed at recent meeting	May	18	79
Chemical Institute of Canada			
Production gains predicted	Jan.	5	63

Chemical Week			
Hannum, William, Jr., invents grinder; Charles Joslin tours European offices - Behind the news	June	22	5
Havighorst, Carl - new man on Western scene - Behind the news	Jan.	19	5

Chemical Week Reports			
Closeup - year 2000 (charts)	Apr.	13	86
Crisis in labor (chart & tables)	Feb.	23	67
Foreign forecast (charts)	Jan.	19	66
Imperial Chemical Industries readies for a fight (map)	June	15	62
Pesticides Oscar Johnson & others (charts & tables)	May	25	117
Pt. 1. Insecticides, miticides, nematocides, rodenticides	June	1	55
Pt. 2. Fungicides and herbicides	Mar.	23	83
Powdered metals (charts & table)	Mar.	23	83

China			
Chemicals: China's new bulwark	May	4	27
Japan-China synthetic fiber deals	May	25	90
Lu Hsu-Chang visits United Kingdom, negotiates for fiber and ammonia plants	Apr.	6	51
Red China will import fertilizer from Japan	Jan.	26	53
Trade embargo criticism - Slow boat to China-Viewpoint	May	18	5

Chlorine			
Electrolytic and catalytic processes make chlorine from hydrogen chloride	Mar.	30	49
Government seeks to recover costs for removing liquid chlorine tanks from Mississippi River	Jan.	19	26
More chlorine-caustic expansion (map)	Jan.	26	23
- letters	Feb.	23	7
Recovery of chlorine from by-product hydrogen chloride gets new technological boost	Apr.	13	63
- letter	May	18	7
Safety campaign launched, novel emergency kits offered	Jan.	5	73

Chromium			
Ferroalloy producers seek import quotas	June 1-54,	June	8
Fume-suppressing chromium plating compound	Jan.	5	36
Russia wages "chrome war" against U.S.	Mar. 2-28	Mar.	9

Citric acid			
Prices (table)	May	11	69
Process infringement suit: new ruling, same result	Apr.	13	27

Clay			
Alumina-from-clay project a success	May	25	113
Alumina-from-clay process tested	Feb.	16	47

Coasters			Concrete - Natural draft cooling tower is silent salesman for concrete construction	May 11	33	contract Council for Chemical Education - Nonprofit organization moves ahead with plan to lure chemicals to World's Fair	June 15	80
Bacterial/enzyme cleaners	Feb. 9	50	Construction			Couplings - Pump coupling	Jan. 12	83
Door-to-door selling of household cleaning agents	Feb. 16	45	Bayer has tallest building in Germany	Apr. 27	87	Crystallization	Apr. 20	81
Epoxy cleanser, N-37 Waterless Skin Cleaner	May 18	68	Construction pace quickens (charts & table)	Apr. 27	22	Freeze-concentration processes bid for new chemical separation jobs (table)	June 1	97
Household cleaning agents: competition will intensify	Feb. 9	77	Contractor streamlines equipment procurement procedure	Feb. 16	51	Wet phosphoric acid process features crystallizer technique	June 1	98
Industrial spray cleaner	Mar. 9	36	Field-erected metal building for use as warehouse, garage or workshop	Apr. 20	84			
Metal-cleaning solution, Neutra-Clean 7	Jan. 26	92	Plant construction rate soars overseas, slumps here (charts & table)	Jan. 19	55			
Nylon scouring pads	June 8	68	Plastic materials are gaining wide-scale acceptance	June 8	59			
Oven cleaner - ammonia-containing aerosol cleaner	Apr. 27	52	Polyvinyl chloride building panel makers seek best door into construction market - letter	Feb. 9	29			
Spill-Away cleans up oil spills on water	May 18	63	Russian building material, Arbolit, may be better than cement	Mar. 23	7			
Synthetic foam cylinder for cleaning pipes	Apr. 6	102	Consumer Advisory Council - Endorses series of Administration proposals	Feb. 2	42			
Synthetic basin remover, Polysol	June 15	52		Mar. 30	28			
Truck cleaning system uses powerful automatic sprayers	Apr. 20	90						
Ultrasonic cleaning solutions	Jan. 26	92						
Closures - Aluminum T-bolt hinged closures	Mar. 2	41						
Clothing								
Lightweight protective clothing	Apr. 20	81	Containers					
Safety fabric: fluorescent vinyl-nylon called Color-Guard	Mar. 2	41	All-aluminum beer cans market potential	Apr. 27	72			
			Blow-molded polyvinyl chloride gets big push	Apr. 20	96			
Coal			Break-resistant glass is used by two commercial brewers	May 18	63			
BCR will pilot new method of ridding flue gases of sulfur dioxide	Jan. 5	45	California attacks "misleading" cosmetic containers	Feb. 9	17			
Char oil research - FMC progress report	Mar. 2	52	Trouble looms for 23 firms	Mar. 9	17			
Coal injection system for use in blast furnaces	Jan. 5	53	Suit filed against three companies	Mar. 9	47			
Coke from noncoking coal project report	Mar. 9	61	Packaging industry eyes controversy	May 11	20			
Coke from Western coals project abandoned	Apr. 13	69	Container maker wins latest round	Feb. 2	62			
Gasoline from coal process, OCR contract; progress reports issued on other coal research projects	Apr. 13	69	Can-lining business: high-priority target for profit-minded resin research (table) - letter	May 16	12			
Hydrogasification of coal to produce high-Btu gas was no. 1 topic at American Gas Association meeting	May 25	113	Clip-on carrying device for six-pack containers	May 25	102			
Ohio pipeline to be retired	May 11-40	114	Plastic-coated milk and juice container market is target of silicone release coating	Jan. 5	64			
Colocating agent	Mar. 9	36	Polyethylene-packaged motor oil test marketed in Baltimore area	Apr. 6	90			
Coatings								
Abhesive coatings are effective heat barriers	June 1	91	Contractors					
Bakelite vinyl coating resin called VAGD	June 22	74	Defense Dept. will use "report cards" for contractors	June 8	30			
Can-lining business: high-priority target for profit-minded resin research (table)	Feb. 2	62	NASA plans tighter control over space-program contractors	Apr. 6	35			
Continuous machine for vacuum deposition of thin film circuits	Apr. 20	76	Contracts					
Cooperative research group aids middle sized paintmakers	Feb. 23	123	Pentagon to decide whether Long amendment applies to defense contracts	Apr. 13	29			
Dip coating for electronic components, Eccocoat 36-D	Feb. 9	50	Plan to narrow bidding on defense contracts	Apr. 6	35			
Electrodeposition of metals onto molded plastic parts - new technique	Apr. 6	69	TFX controversy may lead to new defense procurement policy	May 18	25			
Electrophoretic coating system	May 25	55	Controllers					
Exterior epoxy coating called Acro-Lor	Apr. 27	50	Differential temperature control	May 11	47			
Fast photo resist	Feb. 9	30	Speed-control unit	Apr. 13	91			
Fiber reinforcement of metals studied	June 29	47	Coolants					
Foam vinyl plastisol for strippable packaging	Feb. 23	99	Silicone dielectric coolant for aerospace applications	Jan. 12	43			
Methoxychlor coated bags keep out bugs	Apr. 27	34	Solution of corrosion problems clears way for organic-cooled nuclear reactors (table)	Apr. 20	69			
Nickel aluminum coating material	May 11	47	Cooling Towers - Natural draft unit is silent salesman for concrete construction	May 11	33			
Paper coating latex, Dylex K-55	Feb. 23	94	Copper					
Polyethylene resins for high-speed extrusion coatings	Feb. 23	94	Antitrust charges filed against Neumont Mining	Jan. 12	23			
Silicone release coating aims for PE-coated milk and juice container market	Jan. 5	64	Antitrust complaint: Neumont will fight suit	Jan. 19	20			
Stainless steel razor blades are fluorocarbon-coated	Apr. 27	59	Copper caps a big and busy year - Business benchmarks	Feb. 16	76			
Surface coatings - new developments	May 25	114	Good news in copper and steel - Business benchmarks	Jan. 5	76			
Tungsten coatings by thermal decomposition of tungsten hexachloride	Jan. 26	83	Powdered metals - report (charts & table)	Mar. 23	83			
Vinyl coating resin, Elvax 260	Mar. 2	42	Prices of mill products	Jan. 5	59			
Vinyl spray called Quespray	June 15	52	Stages strong comeback - Business benchmarks	May 4	80			
Cobalt			Steel runs strong, copper weak - Business benchmarks	Mar. 23	118			
Cobalt-58 available	Mar. 9	55	Corrosion					
Pure cobalt powder	Mar. 2	41	Combination scale and corrosion inhibitor for potable water supplies	May 4	69			
Coke			Inhibitor for brake fluids	Mar. 23	66			
Coke from noncoking coal project report	Mar. 9	61	Navy finds best way to prevent corrosion in stored machinery is to control warehouse humidity	June 8	48			
Western coals to coke project abandoned	Apr. 13	69	Molybdenum disulfide tube additives can cause corrosion	Apr. 27	68			
Colloids - New process uses electrical field to break oil-in-water colloidal suspensions	Apr. 20	72	Portable unit for corrosion control in barges, tank trucks, and railway tank cars	Mar. 23	36			
Color			Touring engineers will sell anodic corrosion control systems for plants still in design stage	Mar. 30	44			
Additive safety test extensions granted	Jan. 19	30	Cosmetics					
Glass stains produce amber colors	May 18	68	Antibiotic skin cream, Amphorcorrin	June 1	108			
Compressors			California's attack on "misleading" cosmetics					
Prime mover will use gas-lubricated bearings	Apr. 27	64	Trouble looms for 23 firms	Feb. 9	17			
Water-lubricated centrifugal compressor offers safety, cuts costs	Jan. 12	64	Suit filed against three companies	Mar. 9	17			
Computers			Packaging industry eyes controversy	Mar. 9	47			
Computers cut costs of destructive testing for rocket propulsion maker	Apr. 27	66	Container maker wins latest round	May 11	20			
Distribution of gas by computer pays off	Apr. 27	33	Hairsprays get AHA approval	June 22	49			
Gulf Oil closes loop on fluidized cat cracker at Philadelphia refinery	Mar. 30	50	Legislation by states - roundup (table)	June 15	91			
H610 process-control computer systems are first to use silicon semiconductors	Jan. 26	91	Low-cost New White Rain Hair Spray on market	Feb. 2	64			
Instrument system measures performance of flow-control equipment	June 22	46	Outlook: '63 will be record year	Jan. 19	61			
Japanese ethylene plant comes under computer control	June 29	47	Protein products for cosmetics use	Apr. 20	84			
Low-cost computer control system	June 29	47	Toilet good sales went over \$2 billion mark	Apr. 27	50			
Management looks for ways to improve on-stream process analyzers (table)	June 1	113	Costs					
Management turns to computers to help make decisions (table)	Feb. 16	33	Plastic lined plant equipment costs, savings pinpointed	Mar. 23	42			
Modifiable computer control system	Mar. 9	67	Strubbers revises policies on engineering fees for crystallization processing and equipment	Mar. 9	62			
Process designs by mail - GIFS service aids computerless engineer (table)	Mar. 16	59	A target for cost cutting - Viewpoint	Mar. 2	5			
Simulation technique lets management test proposed decisions on a computer	Feb. 16	34	Cotton - Acetylene-treated cotton research					
Unit operations simulation program for engineering design	Mar. 9	62						
Concentration - Freeze-concentration processes bid for new chemical separation jobs (table)	June 1	97						

Contractors			Contract	June 15	80
Council for Chemical Education - Nonprofit organization moves ahead with plan to lure chemicals to World's Fair	Jan. 12	83	Crystallization		
Couplings - Pump coupling	Apr. 20	81	Freeze-concentration processes bid for new chemical separation jobs (table)	June 1	97
			Wet phosphoric acid process features crystallizer technique	June 1	98
Cuba					
Drugmakers will not profit from Cuban prisoner ransom - setting the record straight - Viewpoint	Jan. 26	5			
Prisoner trade underscores Red deficiencies in drug production	Jan. 5	23			
Refineries are in serious trouble; silver shortage reported	Feb. 9	27			
Culture media	June 1	107			
Curing					
Alkylidene anhydride curing agent for epoxy resins	Mar. 23	35			
Epoxy resin curing agent	Jan. 26	92			
Resorcinol-phenol curing system	Apr. 27	55			
Cyanic acid					
Chlorinated cyanuric acid capacity boost	June 22	62			
Dry bleach brightens chlorinated cyanurate market outlook	Mar. 2	63			
Cyclic Compounds					
Plant for ringed eight- and 12-carbon-atom compounds will be built at Lake Charles, La.	June 1	92			
Cyclohexylamine - Derivatives	June 1	107			
Cyclooctadiene - Latest candidate for third monomer in ethylene-propylene copolymers	May 18	63			
Czechoslovakia					
Chemical industry achieves '62 goals	Mar. 2	33			
Shopping for two dozen chemical plants	Mar. 16	42			
D					
DDT					
Prices	Feb. 16	57			
Prices up, demand close to domestic capacity	Jan. 26	86			
Decalcomania - Decal material, Decalor 957	Jan. 5	36			
Defense Dept. - Report cards will score contractor performance	June 8	30			
Defenses					
Silicone antifoam agents for food and industrial use	Mar. 23	66			
Sonic generators tackle new chemical processing jobs	Jan. 19	31			
Dehydrogenation - DDQ, new dehydrogenation agent	Feb. 2	64			
De-icing Chemicals - Contracts awarded for research into bridge deterioration through use of de-icing chemicals	Apr. 20	37			
Delaware - Loses appeal as corporate home	Mar. 16	52			
Deodorants - Airwick moves to recoup top sales spot	Mar. 9	42			
Desiccants - Silica gel pellets for use as packaging desiccant	May 11	48			
Detergents					
Antipollution legislation - Reuss attacks opponents	May 25	71			
Biodegradability evaluation is service of new company	Apr. 27	49			
Biodegradable detergent alkylate projects launched	June 15	23			
Biodegradable detergent alkylates	June 15	80			
Biodegradable detergent raw material to be produced by Monsanto	June 22	18			
Biodegradable detergent: sodium alkane sulfonate	June 15	80			
Cationic detergent fights detergent foam	May 25	113			
Federal judge okays Lever acquisition of Monsanto's "allii"	May 11	2			
German firm will use Molex process to make compounds for a biodegradable detergent	May 25	34			
Industrial detergent in flake form	May 4	69			
Laboratory detergent	Apr. 6	101			
Legislation by state - roundup (table)	June 15	91			
Nonbiodegradable detergents will be illegal in Miami after '64	May 11	70			
P&G makes its pitch in Europe (table)	Mar. 30	70			
Rumanian fatty acids process hints at new route to synthetic detergents	Apr. 6	64			
Sales hit new first-quarter high	Feb. 22	70			
Sales set another record	Feb. 23	130			
Sulfur-to-syndet processes vie for detergent makers attention	June 29	51			
Wisconsin group supports hard detergents	May 18	71			
Diminies					
Four new diamines for pharmaceutical use	Jan. 26	91			
Nine new diamines	Mar. 23	77			
Orthochlorobenzene - Prices	Mar. 16	71			
Dielectric powders	May 18	68			
Dimethyl sulfoxide (DMSO) - Wood pulp producers look at novel digestion process that uses DMSO	Jan. 5	52			
Dimethyl terephthalate - Terephthalic acid challenges DMT as intermediate for polyester fiber and films	Mar. 9	58			
Diphenolic acid - Prices	May 18	71			
Diphenyl oxide - Derivatives	Jan. 5	35			
Diphenylmethyl phosphite - Prices	Mar. 30	59			
Diphenylmethane diisocyanate - Prices	June 1	121			
Disinfectants - Lysol disinfectant in spray form	Mar. 23	36			
Dispersants - Latex system dispersant	Feb. 23	94			
Distillation - Pumping baffle boosts fractionating column efficiency	June 1	102			
Distribution					
Computer moves gas	Apr. 27	77			

"Creative transportation managers" - goal of new college training program	June 8	52
Drug producers revamp distribution systems	Mar. 30	31
Product development teams offered by West Coast distributor	June 29	68
Polyvinyl chloride building panel makers turn to distributors to market their products	Feb. 9	29
A target for cost cutting - Viewpoint	Mar. 2	5
Truck leasing - an attempt to cut distribution costs (chart)	June 29	65
Drawing compound	June 15	52
Driers - British-made naphthenic-type paint drier price cut	Mar. 16-71	30
Drilling Mud - Dry sulfuric acid absorbed in Micro-Cel E used in oil well drilling mud	Jan. 5-45	12

Drugs		
Advisory commission on narcotic and drug abuse created	Jan. 26	32
Animal health products market forecast	May 23	152
Antiradiation drugs - 48 synthesized compounds are being tested	Feb. 2	32
Baxter aims for higher earnings by boosting direct sales	Jan. 19	26
Blood-pressure depressant, Eutonyl	Mar. 23	35
Brazilian nationalists concentrate fire on drug companies	May 18	32
Canadian proposal to remove patent protection	Mar. 2	17
Cold vaccine research by five British organizations	Mar. 16	64
Cuban prisoner ransom contributions won't benefit drugmakers - Settling the record straight - Viewpoint	Jan. 26	5
Cuban prisoner trade underscores Red deficiencies in drug production	Jan. 5	23
Digestion helpers: Mr. Enzyme and Prandium	Mar. 23	36
Discounters curbed in North Dakota	Apr. 27	34
FDA's final rules disappoint most drug makers	June 29	22
FDA grants leeway for drug testing plans	June 15	34
FDA grants under burden of new drug controls	May 18	77
FDA practices under new attack	Mar. 30	28
FDA reorganizes to enforce new drug sales	Jan. 12	24
FDA rules for drugmakers' R&D and testing - Dimension	June 22	54
FDA's final rules for labeling and advertising still are to come	May 11	30
Italy's proposed drug patent law draws U.S. interest	May 11	20
Kefauver plans new inquiry into practices of U.S. companies	June 29	27
Kennedy's health message	Feb. 16	29
Legislation by states - roundup (table)	June 15	91
Medicated lotion called Dermathera	Apr. 27	52
Mental health proposals get rousing send-off in Senate	June 8	30
New York puts embargo on urinary tract drug called Renacidin	June 22	30
Olin charged with concealing kickbacks in drug sales involving U.S. foreign aid funds	Mar. 16	36
PMA calls for closer ties between government and industry	Feb. 2	24
Patents may be killed in Canada, threat grows in other countries too (table)	Mar. 23	49
- letter	Apr. 13	10
Piracy cases	Jan. 5	24
Cancelarich and Fine plead guilty	Jan. 19	24
Genace pleads guilty; Frank Delaney observes case as friend of Visconti	Jan. 19	24
Producers revamp distribution systems	Mar. 30	31
Research and development feels first impact of new government controls	June 22	53
Rohm & Haas branches out in pharmaceuticals	May 25	53
Sales and earnings up in '62, FDA rules make '63 outlook darker (table)	Apr. 20	21
Sales forecast	Mar. 9	28
Thalidomide hearings	Apr. 27	40
Vaccines - trachoma vaccine clinical trial results reported by Navy	Jan. 5	46
Drums - Polyethylene-lined nonreturnable drum launched (table)	Jan. 19	35
Dryers - Air dryer	Apr. 20	84
Drying - Direct-radiant-heating method for drying paper	June 8	48
Dunn, Parker S. - American Potash & Chemical picks a president	May 18	20
Durane - Forecast: cloudy future	Feb. 23	129
Durham University - Kings College - J.B. Thomson invents water desalting process	June 22	49
Dyes		
Auramine dye	May 4	69
Bright-blue dye, Waxoline Blue 2RS, for plastics	Jan. 5	36
Carriers for polyester fibers called Cindye	Apr. 13	91
Dr. Pont enters reactive dyes field	Feb. 16	47
Through Germany's Hoechst	June 15	52
Fiber-reactive dyes called Cavalite	May 25	44
Fixative for dyed textiles	Apr. 13	91
Leveling agent, Abolene NR	Apr. 20	84
Petroleum dyes	Mar. 2	42
Polyester fiber dyes	Apr. 13	33
Polypropylene dye research leads to spate of new products (table)	Mar. 23	77
Polypropylene dyeing process from Reeves	May 4	69
Polypropylene dyestuffs	June 15	79
Polypropylene fiber dyeing problems solved	May 18	68
Reactive dyestuffs	May 25	44
Rock dyeing process	May 25	44

E

Education		
CPI seeks cure for 'technological obsolescence' of scientists and engineers (chart)	Mar. 2	66
Kennedy's federal aid to education program	Feb. 9	27

Kennedy will seek aid on piecemeal basis, medical-school bill will be first	Apr. 13	30
Survey pinpoints research personnel shortages	Jan. 26	77
Egypt - Nasser nationalizes all but three of the pharmaceutical producers in Egypt	June 29	21
Elastomers		
Dunlop Rubber and Montecatini will swap elastomeric polymer patents	Feb. 9	68
Nitrile polymer, Chemigum N625X	Feb. 2	66
Polybutadiene elastomer, Ploflex 5000	Jan. 5	36
Synthetic elastomer developments: acrylic rubber; urethane elastomer	Mar. 9	77
Urethane elastomers market	June 1	121
Electronics - New compounds broaden markets for semi-conductors (table)	Jan. 12	47
El Salvador - Government regulations affect sale of pharmaceuticals	Mar. 2	33
Emulsifiers - Polyethylene wax emulsifier	Apr. 6	102
Emulsions		
European marketing of Pol-Em polyethylene emulsions	June 15	98
Nonionic polyethylene emulsion	Apr. 27	55
Polyethylene emulsion	Jan. 26	92
Polyvinyl acetate homopolymer emulsion	May 25	114
Enamel		
Low-luster interior enamel	Mar. 23	36
Porcelain enamel additive	Apr. 27	56
Encapsulation		
Archer Daniels Midland's process geared to large-scale production	Mar. 2	51
National Lead shows off commercial plant for in-situ polymerization of ethylene on cellulose fibers	June 29	43
Polyethylene-encapsulated cellulose products plant startup	June 22	50
Engineering		
Computer service, GIFS, promises fast action - by mail or phone - on process design calculations (table)	Mar. 16	59
Equipment purchasing is speeded by contractor's new paperwork plan	Feb. 16	51
Monsanto separates research and engineering functions	June 8	48
Overseas buildup by U.S. engineering firms (chart & tables)	May 11	51
Struthers revises policies on engineering fees for crystallization processing and equipment	Mar. 9	62
Struthers Scientific International puts premium on flexibility	Feb. 23	135
Technology export test generates hot legal battle	Mar. 9	22
Touring engineers will sell anodic corrosion control systems for plants still in design stage	Mar. 30	44
Unit operations simulation program for engineering design	Mar. 9	62
Engineers Joint Council - Engineering Manpower Commission issues statistical report	June 8	37
Engines		
Expansion engine	June 1	107
Fire-fighting by jet engine	June 22	44
Enzymes		
Digestion helpers: Mr. Enzyme and Prandium	Mar. 23	36
Enzyme process for cheesemaking	Feb. 16	57
Orally administered enzymes enter the bloodstream in an active form, according to experimental evidence	Jan. 19	51
Partial laboratory synthesis of ribonuclease has been achieved	Mar. 30	50
Epichlorohydrin - Epoxides: new entry in rubber (table)	May 18	39
Epoxydation		
Continuous epoxydation process uses concentrated aqueous peracetic acid	Mar. 16	63
Peracid processes put new pep into epoxydation (charts & table)	Apr. 6	55
- letter	May 4	12
Equipment		
Contractor streamlines equipment procurement procedures	Feb. 16	51
- letter	Mar. 2	7
Corrosion protector	Mar. 23	36
Electric heating system cuts costs of tracing process piping and equipment	June 1	115
Electrical equipment for hydrogen service	Jan. 5	35
Field-erected metal building for use as warehouse, garage or workshop	Apr. 20	84
Hinged closures	Mar. 2	41
Index of new equipment orders Jan. 12-88, Feb. 23-164, Mar. 30-76, May 18-88	June 29	74
Inspection unit detects flaws in metals	Feb. 23	93
Microfilmed equipment catalogs speed data searches in plants	Apr. 13	92
Navy finds best way to prevent corrosion in stored machinery is to control warehouse humidity	June 8	48
Plastic lined plant equipment costs, savings pinpointed	Mar. 23	42
Shakedown in equipment business narrows selection of vendors to CPI	Mar. 16	67
Smith, A.O., drops high-pressure equipment line	Feb. 2	24
Stainless steel ball floats	Apr. 20	81
Struthers Wells' operations will show loss for '62	Feb. 23	156
200 Series stainless steel cuts equipment costs 20%	May 11	38
Esters		
Aliphatic ester sulfate called Emkatex AES	Jan. 19	65
Phosphate ester surfactants: growing strong (table)	Feb. 9	71
Etching		
Aerosol etcher	Mar. 2	42
Ammonium persulfate etchant for printed circuit boards	Jan. 26	25

Ethers - Perfluoro polyaromatic ethers are not suitable for fire-resistant hydraulic fluids	Apr. 27	60
Ethylene		
Delayed construction plans brighten ethylene outlook (chart & tables)	Apr. 13	83
- letter	May 18	7
Japanese plant comes under computer control	June 22	49
Market forecast by AECI	Mar. 30	68
Prices are slipping on Gulf Coast	Mar. 9	71
Ethylene oxide - New catalyst cuts costs	June 15	79
Ethyleneimine		
Dow goes commercial	June 22	50
Dow moves into field, Chemrad boosts emphasis on marketing	June 29	23
N-ethylmorpholine - Prices	May 11	70
Europe		
CW's foreign editor visits European offices - Behind the news	June 22	5
The Common Market's still there - Viewpoint	Feb. 9	5
EEC study group recommends integrated pipeline network to distribute North African and European natural gas	Feb. 23	54
Eastern European bloc (Comecon) aims at specialization of chemical industry	Mar. 2	34
Foreign forecast - report (charts)	Jan. 19	66
Imperial Chemical Industries readies for a fight - report (map)	June 15	62
Kefauver eyes Common Market antitrust rules	Mar. 16	21
Procter & Gamble wields in Common Market (table)	Mar. 30	70
Rejection of Britain throws Common Market into turmoil (table)	Feb. 9	20
Unilever seeks EEC role	May 18	30
U.S. polyethylene exports to Common Market in '62	Mar. 2	17
Western European chemical output	Mar. 23	56
Evaporation		
Aliphatic alcohols slow evaporation	May 4	56
Freezing rivals evaporation for concentration jobs (table)	June 1	97
Explosions		
Dow's Plaquemine, La., complex damaged	Apr. 13	19
Nalco's TEL-TML plant at Freeport, Tex., damaged	Feb. 9	77
Project Flowshare will gather data from series of small, chemical explosions	June 8	47
Exports		
Chemical men attack export barriers, seek 'dumping' curb (table)	May 4	22
Freight-rate differentials injure U.S. exporters	June 1	53
China embargo criticized - Slow boat to China - Viewpoint	May 18	5
Common Market moves into U.S. markets - letter	Jan. 5	7
Industry meetings on export-import problems planned by BDSA	Feb. 23	61
Japan imposes quota system on battery exports	Apr. 6	51
Japanese aluminum makers form export cartel	Mar. 16	20
Japanese fertilizer exports	May 25	95
Technology export test generates hot legal battle	Mar. 9	22
U.S. exports for '62 - final tally (tables)	Feb. 23	42
West German exports up	Apr. 27	75
Expositions		
Chemical organization moves ahead with plan to lure CPI firms to World's Fair	Jan. 12	83
"Interplas" plastics exhibition in London	June 22	62
New York plays Hall of Science Building for World's Fair	June 1	24
Extraction - CSREX process extracts hard-to-remove fission products from nuclear fuel process wastes	May 18	63

F

Fabric Softeners - Final Touch Introduced In East	Apr. 27	52
Fatty acids		
Aliphatic ester sulfate called Emkatex AES	Jan. 19	65
Nine new dimer diamines	Mar. 23	77
Prices	Feb. 2	58
Rumanian process converts paraffin waxes into fatty acids	Apr. 6	64
Tall oil fatty acid faces supply-demand pinch (chart & tables)	May 25	157
Tall oil outlook	Feb. 2	58
Federal Trade Commission - Voluntary compliance plan considered	Mar. 23	39
Feeders - Dry feeder	May 11	47
Feeds		
Additive called Nidraur	Mar. 23	36
New process converts rice hulls into feed and fertilizer	June 15	83
Fermentation - Hydrocarbon fermentation research booms (tables)	Feb. 2	49
- letter	Feb. 23	7
Ferredoxin - University of California researchers clarify chemical's role in photosynthesis	Apr. 27	59
Ferric chloride - Prices	May 25	152
Fertilizers		
Canadian industry headed for more expansion	May 18	72
China puts new emphasis on agriculture	May 4	27
Import problem develops	June 15	98
Large-scale buildup in Texas	Apr. 6	23
Lawn-care service ties in with fuel oil dealers to buck do-it-yourself trend	Apr. 27	47

Lawn-care and Nitro-glade fertilizers from tobacco stems - test marketing	Apr. 6	90	Grace reports on sales and earnings	Mar. 23	17	Final rules for drug labeling, advertising still are to come	May 11	30
Montana phosphate fertilizer project gets go ahead	Jan. 5	22	Kennedy's '64 budget proposal, Jan. 12-27, '63 business is off to a fast start	Jan. 26	31	Groans under burden of new drug controls	May 10	77
Oil companies' proposed mergers change industry lineup	June 15	22	Olson and Indiana Standard outline chemical development plans	Apr. 6	23	Issues warning on urinary tract drug called Renuvidin	June 22	30
Planting tablet, Blue Chip, fertilizes tree, bush or vine without burning roots	Apr. 27	50	Price woes affect profit picture (charts)	June 8	21	Kelsey, Frances, will head team for screening new drug applications; date for issuance of new drug regulations has not been set	Jan. 5	18
Potassium metaphosphate fertilizer process	Feb. 2	45	Profitability plateau, says FTC-SEC report	Apr. 20	24	Nestor, John, attacks agency regulations	Mar. 30	28
Rice hulls converted into fertilizer and feed	Jan. 15	83	Profits vs. costs - letter	Apr. 20	10	New drug rules debut	Jan. 12	24
Sales off to fast start in '63 (tables)	Apr. 20	101	Public relations budgets discussed by MCA's Hall - Viewpoint	June 29	5	Plans for closer ties with drug industry	Feb. 2	24
Slurry fertilizers may be next big trend in fertilizer distribution	Jan. 19	61	Reichhold snaps out of '61 slump	Feb. 16	24	Poor showing reflects drug industry's difficulties in living with new rules	June 22	53
Swapping fertilizers is growing trend	Apr. 6	73	Sales and earnings - financial trends for 92 companies (table)	Apr. 6	24	Posts revised new-drug regulations	June 29	22
TVA steps up research on fertilizer products and uses	Jan. 12	24	Sales and earnings - new peaks in '62 (table)	Feb. 2	21	Third batch of drug rules up for approval	Apr. 20	21
Fibers			Sales and earnings - profits won't keep pace in first quarter (charts & table)	May 4	21	Formaldehyde		
Acrylic acrylic fiber promotion twist	Jan. 19	37	Sales and earnings - roundup of '62 reports (table)	Mar. 9	21	Canadian companies build own plants to avoid long freight hauls	June 22	62
Acrylic-content elastomeric fiber called Orofil	May 25	53	Small research and development business failures due to lack of business orientation	June 29	28	Capacity boost in Northwest	Feb. 9	77
Boron fiber developed	Mar. 16	63	Space budgets due for a boost in fiscal '64	Jan. 5	17	France		
British man-made fiber production hits all time high	May 11	28	Stock offering planned by Wallace & Tieman and Smith Kline & French	Feb. 2	24	Coal and iron miners' strike spreads to Lacq natural gas fields	Mar. 23	96
Fiber reinforcement of metals studied	June 29	47	Struthers Wells' operations will show loss for '62	Feb. 23	156	Foreign forecast - report (charts)	Jan. 19	66
Japan-Red China synthetic fiber deals	May 2	46	A target for cost cutting - Viewpoint	Mar. 2	5	Glassman rides crest of European building and motorizing boom	May 25	86
Nylon-6 promotion campaign	June 8	55	Tax credit reform gets industry vote as way to help plant investment (table)	Apr. 27	36	Monaco loses tax-free status	Mar. 2	33
Polyester fiber patent fracas in Germany	Apr. 6	23	Tennessee Gas Transmission proposes debt offering	June 8	20	Strike shakes French chemicals	Apr. 6	41
Polyester fibers move on tire-cord markets (table)	Feb. 9	83	UOP's capital stock under selling pressure	Feb. 16	20	Freight Rates		
Polypropylene fiber prices (table)	June 1	122	Universal Oil Products' '62 report	May 25	34	Airline rates for monkeys rejected by CAB	June 22	30
Polypropylene carpet lineup grows	Feb. 16	57	Virginia-Carolina's recapitalization plan - stockholder suit dismissed	Mar. 9	18	Barge-rail bulk rate dispute - Supreme Court changed	Apr. 20	18
Polypropylene dye research pays off in spite of new products (table)	Apr. 13	33	Witco outlines growth plans	Apr. 13	26	Bulk commodity definition will not be changed	June 8	29
Polypropylene fiber dyeing problem solved	June 15	79	Finishes			Bulk commodity rate exemption sought for alumina	Feb. 16	30
Polypropylene fiber makers push carpet and knitwear sales	June 1	122	Textile finish, Rhoplex K-3	Feb. 23	94	CPI weighs controversial transportation bill	Apr. 13	74
Polypropylene fibers go commercial in hosiery and sweaters	June 8	24	Textile finish, Zepel, is stain-resistant	Jan. 12	71	Freeport, Tex., rail-rate equalization	June 8	30
Polypropylene fibers in three new colors	June 22	74	Fire-fighting - English group uses jet-engine blast to extinguish fires	June 22	44	Liquefied petroleum gas rail rates reduced	May 18	26
Rohm & Haas branches out in synthetic fibers	May 25	53	Fire Retardants			Longshoremen strike legacy: higher freight rates	Feb. 2	22
Spandex urethane elastic fibers from Rohm & Haas	Apr. 27	72	Dechlorane gets big push in ethylene-propylene rubber	Feb. 16	48	MCA opposes ICC rate plan	Mar. 16	24
Synthetic fibers roll up rug sales (charts)	Mar. 29	61	Flame-resistant acrylic-modified polyester	Mar. 9	62	Possibilities of rate increases threaten shippers (table)	Mar. 9	23
Terephthalic acid route to polyester fibers and films	Mar. 9	58	Plastics and foams get built-in fire protection	Feb. 23	105	"Public costs" of barge transportation must be considered in rate disputes between rail and water carriers	Feb. 2	32
Filters			Specialty chemical, Diabio 700X, can be compounded into liquid, resinous and rubber systems	Apr. 20	84	Rail freight rate increase is in effect	June 29	28
Aluminum granules for use as plastic fillers	May 4	69	Fires - Flash fire delays startup of phthalic anhydride plant Perth Amboy, N.J.	Feb. 9	77	Railroads seek rate cuts on volume shipments	Apr. 13	29
Barrel and drum filter	Mar. 2	41	Fittings - NLRB ruling sparks use of molded insulation for pipe fittings	Apr. 6	81	Railroads win round in efforts to bring piggyback rates down to near level of fishy-back rates	Apr. 27	29
Volumetric filter	Feb. 9	49	Flavors			Steamship companies propose dual rate system	June 8	29
Film - Color film that processes in 50 seconds will debut in Florida	Jan. 26	86	Mertaste, new flavoring agent	May 4	69	Transportation bill - Congress calls for compromise	May 11	29
Filters			New competition shapes up in flavor and fragrances business	May 25	99	Transportation policy undergoes major upheaval that may result in lower costs, heavier railroad use by CPI (table)	June 22	21
Activated carbon combined with filter additive for use in coin-op cleaning equipment	Jan. 26	92	Floats - Stainless steel ball floats	Apr. 20	81	Transportation proposals - shippers campaign for new policy	May 18	25
Compressed-air filter	June 22	74	Flocculants			U.S. exporters hurt by rate differentials	June 1	53
Disposable paper filter - letter	Feb. 23	7	Coagulant aids called Primafloc	Jan. 26	92	Freon - Food packaging propellant, Freon C-318, prices	Apr. 27	72
Dust filter	Mar. 9	55	Coagulant aid, O'B-Floc	June 1	108	Fuel		
Komline-Sanderson forms filter department	Apr. 27	56	Floor Polishing - Buff-and-spray system for polishing floors	June 1	108	Additive inhibits corrosion in diesel engines and oil furnaces	Jan. 19	65
Micron filter	Mar. 9	55	Florida Southern College - New terpenoid called Limonin	June 22	73	AEC pushes plan for private control of fuel processing (chart)	Apr. 13	23
Teflon filter cloth	Jan. 5	35	Flotation - Potash beneficiation method permits working of mixed ores - sylvinite and langbeinite	Apr. 20	76	Biological fuel calls charge up for aerospace and military applications (table)	June 29	41
Financial			Flow promoter	Apr. 27	55	Boron-fuels plant reduced to caretaker status	Mar. 23	39
Abbott increases earnings in '62, sees new gains in '63	Mar. 16	24	Flowmeters			Bureau of Mines and NPRA jet-fuel stability program - letter	Feb. 16	6
Aerojet's growth plan puts new accent on chemicals	Feb. 16	23	Computing totalizer for turbine flowmeters	Feb. 2	66	Fuel cell operates at moderate temperatures on wide range of hydrocarbons	May 11	56
Annual meetings - roundup Apr. 20-23, May 25-53	June 1	28	Mass flowmeter gets okay for custody transfer	Apr. 13	94	Fuel cell operates on by-product hydrogen	Mar. 30	50
Baldwin-Montrose sets finances in order	Feb. 16	24	Fluorinated ethylene propylene - Resin demands start to climb (chart)	Feb. 2	59	Fuel cell operating on natural gas has been successfully tested	Jan. 5	45
Bon Ami annual meeting	June 29	24	Fluorine - German researchers use electrolytic discharge to prepare compound of xenon and fluorine	Jan. 12	62	Fuels finish up a banner year - Business benchmarks	Jan. 19	80
Business Council discusses tax cuts and vigor of U.S. economy	May 18	17	Fluorocarbons			Jet fuel de-icer is also a potent fungicide	Apr. 13	70
Business Council members forecast good year	May 25	71	Fluoroketones: family of new chemicals bids for jobs	Mar. 2	47	Nuclear fuels reprocessing plant construction under way	June 1	23
Bzura switches to Chapter 10 Bankruptcy Act proceedings	Feb. 9	18	Refrigerant markets are in turmoil	May 4	63	Nuclear fuel reprocessing plant - ground-breaking ceremony	June 22	24
Cabot Corp. reveals its finances	Mar. 30	24	Resin demand is climbing (chart)	May 11	69	Nuclear fuels reprocessing plant is step nearer reality	Apr. 20	38
Capital spending plans by primary nonferrous metals industry	June 22	18	Solvent prices	May 11	69	Technetium separated from spent nuclear reactor fuels	Apr. 6	70
Capital spending rises toward new record (charts & table)	Apr. 27	22	Fluoroketones: family of new chemicals bids for jobs	Mar. 2	47	Turbine-powered cars pose problem for fuel additives	May 18	19
Capital spending upturn reported by Commerce Dept.	June 15	18	Fluxes			Fumaric acid		
Collier Carbon plots course for improved earnings	June 1	28	Dustless flux for use in melting and refining magnesium	Jan. 26	92	New route to fumaric acid bypasses maleic anhydride step (chart & table)	Feb. 2	44
Commerce Dept. predicts better year for CPI	Feb. 2	17	Water-soluble flux	May 10	68	Prices	Apr. 27	72
Depreciation allowances study by AEF	Jan. 12	17	Foams			Puerto Rican project likely	May 18	72
Dividends up in March	Apr. 27	18	Expanded Royalite, a foamed plastic, will vie with reinforced polyester plastics	May 11	24	Scientific design process - Indian patent describes catalytic oxidation of benzene to maleic anhydride	Jan. 5	46
Dividends up in '62	Feb. 2	18	Flame retardants for plastics and foams are targets of volley of research activity	Feb. 23	105	Fungicides		
Dixon Chemical gets financial help from Olin Mathieson	Jan. 12	23	Gas-spraying semirigid urethane foam - new system	Jan. 12	62	Antisep stain and mold control for green lumber	Apr. 27	55
Dixon Chemical recapitalization plan moves ahead	Feb. 9	17	Patent covers use of fluorocarbon blowing agents in urethane foams	Mar. 16	23	Dutch elm disease cure reported	Apr. 20	75
Dixon Chemical's refinancing plan completed	Apr. 6	17	Polyether-urethane foam patent - licensing policy and royalty fees set	June 29	47	Jet fuel de-icer is also a potent fungicide	Apr. 13	70
Drug industry sales and earnings: both up in '62 (table)	Apr. 27	24	Portable system makes foamed urethanes	June 8	47	Milwaukee switches to inoculation to combat Dutch elm disease	June 1	92
Drugmakers report sales and earnings	Apr. 27	24	Urethane foam expansion joins	Feb. 9	50	Nonionic fungicide and bactericide called Nicon	Apr. 27	55
Economic nationalism rears its head in Egypt and Canada	June 29	21	Urethane foam industry growth prospects bright	Apr. 6	89	Pesticides - report Oscar Johnson & others (charts & tables)	June 1	1
Ethyl counts on cash flow for diversification into plastics	May 18	23	Food Chemicals			Pt. 2. Fungicides and herbicides	June 15	51
Federal funds for research projects "mis-use" case may lead to better accounting of funds	Feb. 2	31	Legislation by states - roundup (table)	June 15	91	Phenyl mercury fungicides		
Forecast for next five to seven years issued by Commerce Dept.	June 15	34	Meat-aging process uses Thiamidum	June 22	50			
Forecast for next five years: fast growth (chart)	Apr. 20	25	Foods - Freeze concentration processes bid for food industry jobs (table)	June 1	97			
Foreign aid funds cut virtually certain	Apr. 6	35	Food & Drug Administration					
Freeport Sulphur uses "loose" cash for acquisitions	June 15	17	Congress may approve increase in staff but cut funds	May 4	25			
GAF makes first presentation before financial analysts - letter	Jan. 26	25						
GAF's fast growth formula (chart)	Feb. 16	6						
Government-owned corporation to encourage private U.S. investment in developing nations - BCI proposal	Mar. 16	41						

Polyram controls infections of potatoes	June	1	108
Sempervin, a natural fungicide in redwood trees, isolated at University of California	Apr.	6	70
Furnaces			
Coal injection system replaces coke in blast furnaces	Jan.	5	53
Controlled-atmosphere furnace	Mar.	23	35
Vacuum furnace	May	4	70

G

Gallium arsenide - New semiconductors vie for jobs (table)	Jan.	12	47
Gordon Chemicals			
Far thinner market? - letter	June	15	5
Heritage House pushes prestige in garden chemicals	Feb.	23	121
Lawn-care service bucks do-it-yourself trend, ties in with fuel oil dealers	Apr.	27	47
Planting tablet, Blue Chip, fertilizes tree, bush or vine without burning roots	Apr.	27	50
Gas			
BCR will pilot new method of ridding flue gases of sulfur dioxide	Jan.	5	45
Carbon-14 radioactive gases	Apr.	27	55
Computerized distribution pays off	Apr.	27	33
Octafluoropropane for use as gaseous dielectric	May	25	43
Reinforced-plastic scrubbers	June	22	73
Sampler called Auto-Scanner	June	29	39
Gaskets - Depolymerized rubber for gasket applications	Mar.	23	36
Gasoline			
Additive, Nopco GA	Feb.	9	50
Canadian antiknock additive tariff hike requested - opposition	Jan.	5	60
Gasoline from coal process - OCR contract	Apr.	13	69
Gauges			
Density gauge	Feb.	23	93
Electronic vacuum gauge	June	1	107
Oxygen gauge	June	1	107
Vacuum gauge	June	15	51
Generators			
Magnetohydrodynamic generator has been coupled with a superconducting magnet	Jan.	19	52
Sonic generators tackle new chemical processing jobs	Jan.	19	31
"Unipolar" generator sold to Mallinckrodt for continuous production of direct-current power	Feb.	9	68
George Washington University - Seventh Annual Public Conference of the Patent, Trade Mark and Copyright Foundation	June	29	32
Germany			
Antidumping tariff on Japanese ferromanganese and ferrochromium	Mar.	9	37
Bayer builds country's tallest building	Apr.	27	87
"Big Three" issue financial reports	Apr.	27	84
Britain sizes up productivity in West Germany	Mar.	23	25
Foreign forecast - report (charts)	Jan.	19	66
Labor relations improvement forecast as result of metal workers' strike settlement	May	25	79
Plastics exports	June	8	26
Wage contracts	May	4	38
Wages may be pushed up another 8-9% in '63	Feb.	23	52
West German exports and imports up	Apr.	27	75
West Germany's trade pact with Poland	Mar.	2	33
Germicides - Nonstaining iodine germicide, Iodocene	Mar.	9	56
Glass			
Break-resistant glass called Miraglass	May	18	63
Competition changes in glass (chart)	Mar.	16	25
Float-glass plant to be built in Italy	May	18	64
Float glass process licensed to Libbey-Owens Ford	May	11	60
French glass giant is disappointed with U.S. venture	May	25	86
Glass propping agent for hydraulic fracturing	June	22	49
Glass spheres for use as reflectorized road signs	June	15	52
Glass stain series	May	18	68
New developments: glass that colors when exposed to electron beams; glass ceramic materials; glass resins; hot-glass rights for electrostatic printing process	June	1	91
Nonprofit research foundation and FMC establish glass technology laboratory	Jan.	5	41
Glass Fibers - Fibrous Products gets big payoff from small glass plant	Jan.	5	68
Glucosamine - 36 new derivatives available	Jan.	12	43
Gloss			
Glue sniffing legislation delay in New York	June	8	63
States move to curb glue sniffing	Apr.	13	77
Glutamic acid - Hungarian process uses ion-exchange system to make glutamic acid wheat from wheat gluten	Mar.	2	57
Glutaraldehyde bis-sodium bisulfite - Gelatin-hardening agent	Feb.	9	49
Glycerin			
Market prospects improving	Feb.	16	58
Worldwide shortage shapes up, U.S. exports start to climb	June	8	59
Gold - Producers prospect for new markets (chart)	Jan.	19	58
Graphite			
Graphite cloth in tape form	June	29	39
Price reductions on high-purity graphite anodes	Jan.	12	67

Great Britain

Antibiotic price cuts	June	15	97
Antidumping duties imposed on phthalic anhydride imports from France and Switzerland	Feb.	9	37
British Petroleum's chemical stake grows (table)	May	25	85
Drug production, exports, research spending up in '62	May	18	37
Drug safety committee established	Apr.	20	54
Foreign forecast - report (charts)	Jan.	19	66
Imperial Chemical Industries ready for a fight - report (map)	June	15	62
Junior executives salary survey	May	4	38
Makes strong bid for Russian business	Apr.	27	82
Man-made fiber production hits all-time high	May	11	28
Monopolies Commission will investigate household detergents supply situation	June	1	32
Neurochemical feedstock demand up	June	1	138
Plastics production in '62	Feb.	16	26
Rejection of Britain throws Common Market into turmoil (table)	Feb.	9	20
Relaxes controls on materials in trade with Soviet bloc and Communist China	Apr.	20	54
Sizes up chemical productivity in West Germany and Italy	Mar.	23	25
Sulfuric acid producers defend cooperative buying pool	May	18	37
Sulfuric acid production	June	1	32
Survey of production, exports, capital spending for 13 companies	Feb.	2	46
Greece - Phosphoric acid project	June	1	32
Grinding			
Air Force develops ultrasonic-assisted grinding	Mar.	9	61
Hannum, William, Jr. CW salesman, invents vertical impact pulverizer - Behind the news	June	22	5
Vertical impact pulverizer uses product to grind product	June	22	41
Guanidine carbonate - Chemical can be used as flow promoter or intermediate	Apr.	27	55
Guided Missiles			
Air Force discounts reports of propulsion problems with Minuteman	May	11	30
Brush Beryllium accused of overcharging on Polaris missile subcontract	June	1	54
Hedgehog antissubmarine missile casings made of polyethylene	Jan.	12	72
Nitroplasticizers will give extra zip to fuel for Polaris A-3 missile	Feb.	23	150
Gulf Coast - Waterway expansion program for Southwest (map)	May	4	75
Letters	June	15	7
Gum			
Nonionic dialdehyde vegetable gums	May	4	55
Vegetable gums for paper industry	May	11	48
Water-soluble gum from corn sugar	Mar.	9	55
Water-soluble gum retains viscosity when heated or in contact with salts	Mar.	9	84
Gypsum			
Japanese process makes phosphoric acid and gypsum from phosphate rock	Mar.	2	56
Wet phosphoric acid process produces large gypsum crystals	June	1	98
H			
Hair Colorants - Stroke & Comb washes out with each shampoo	Mar.	2	42
Hannum, William B., Jr. - CW salesman invents grinder - Behind the news	June	22	5
Havighorst, Carl - New man on Western scene - Behind the news	Jan.	19	5
Hawaii - Fast-growing Riieth has high hopes for chemicals (table)	Apr.	6	94
Heat Exchangers - Price increases likely	May	25	7
Heat-sink compound	Feb.	16	40
Heat Transfer - Organization set up to study process heat transfer - letter	Feb.	23	94
Heating			
Direct-radiant-heating method for drying paper	Jan.	19	7
Induction heating - new standard units back its bid for process jobs	June	8	48
On-site central heating and air-conditioning systems from Uni-Plant	Apr.	27	63
Heavy water			
Available at relatively low concentration	Feb.	2	66
Canada postpones debate until after April elections	Feb.	16	57
Canada weighs heavy water project, decision may have major impact on development of world nuclear power plants (table)	Jan.	19	53
Canadian project might start price war	Mar.	23	101
Novel process uses electrical field to break oil-in-water colloidal suspensions	Apr.	20	72
Helium			
Conservation program criticized by GAO	Jan.	19	26
Conservation program: four companies refuse to modify contract terms	Jan.	26	23
New projects may be pigeonholed due to dispute over payment terms	Feb.	16	21
Herbicides			
Combined herbicide for weed control of cotton	Feb.	23	94
Lambquarter weed killer called Lambast	Mar.	9	56
New weed killers introduced at New York meeting	Jan.	19	51
Norbonyl urea herbicide called Herban	Apr.	20	81
Pesticides - report Oscar Johnson & others (charts & tables)	June	1	55
Pl. 2. Fungicides and herbicides	June	1	55

Postemergent herbicides for control of grassy weeds in turf and cotton and noncrop areas	Mar.	23	36
Pre-emergence spray for grasses and weeds in tomato, pepper and tobacco crops	Apr.	27	52
Hose - Glass-armored rubber hose	Jan.	12	43
Houston - Launches program to keep industry in the coral (table)	Apr.	6	28
Hungary - Merges chemical plants	Apr.	6	51
Hydraulic Fluids - Perfluoro polyaromatic ethers are not suitable for fire-resistant hydraulic fluids	Apr.	27	60
Hydrazine - U.S. Rubber will become third U.S. producer	June	1	30
Hydrocarbons			
Fermentation processes feed on low-cost hydrocarbon raw materials (tables)	Feb.	2	49
Molecular sieves score big gains in hydrocarbon separation jobs (chart)	Jan.	26	37
Hydrogen			
Catalyst, G-66, promises significant economies in hydrogen plants	Feb.	2	41
Fuel cell operates on by-product hydrogen	Mar.	30	50
Hydrogasification of coal to produce high-Btu gas - three-part program	May	25	113
NASA plans liquid hydrogen plant in Gulf Coast area	Mar.	9	27
Steam-naphtha reforming process reaches commercial status	May	11	54
Hydrogen chloride			
Chlorine recovery from by-product hydrogen chloride gets new look	Apr.	13	63
Letters	May	18	7
Electrolytic and catalytic processes make chlorine from hydrogen chloride	Mar.	30	49
Hydrogen peroxide			
Pfizer will distribute 35% peroxide for use in cheesemaking	Feb.	16	57
Prices	May	25	152

I

Imports				
Acrylic staple fiber is not being dumped in U.S.	June	15	98	
"Buy American" policy worries importers	June	15	33	
Chemical men seek 'dumping' curb (table)	May	4	22	
Chlorinated solvents outlook (charts)	Jan.	5	61	
Common Market moves into U.S. markets - letter	Jan.	5	7	
Fertilizer import problem	June	15	98	
India liberalizes import policy	May	11	28	
Industry meetings on export-import problems planned by BDSA	Feb.	23	61	
Japan - tight money restricted chemical imports (chart)	Apr.	13	55	
Manganese and chromium ferroalloy producers seek import quotas	June 1-54	June	8	60
Russia wages "chrome war" against U.S.	Mar. 2-28	Mar.	9	28
Stainless steel imports flood U.S. market	Feb.	23	62	
Steel sheet dumping charges against Japanese	Mar.	30	18	
Steel wire rod imports investigation by Tariff Commission	Mar.	30	18	
Trade Adjustment Assistance Provision to be tested by sodium gluconate producer	June	8	29	
U.S. imports for '62 - final tally (tables)	Feb.	23	42	
Vanillin imports probe by U.S. Feb. 16-58	Mar.	30	60	
West German imports up	Apr.	27	75	
Indazole intermediates	June	15	51	
Indexing - STAR abstracting and indexing service covers unpublished international aerospace literature, IAA covers published literature				
	Jan.	26	83	
India				
AID grants "commodity loan"	Mar.	9	37	
Crisis gives impetus to chemical industry buildup - letter	Feb.	16	16	
Fertilizer import negotiations	Mar.	23	56	
Financial problems delay salt and sodium sulfate project; potassium muriate plants under construction	June	22	37	
Five-year plan	Feb.	2	46	
French report arouses India's interest in petrochemicals	May	11	28	
Import policy liberalized	May	11	28	
Imports urea and ammonia plants from Japan investment outlook good despite tax proposals	Apr.	27	75	
Loses share of U.S. lac and shellac market to Thailand	Apr.	6	46	
Nuclear power reactor negotiations with U.S.	Mar.	23	40	
Sulfuric acid project	June	8	26	
Indium phosphide - Injection laser uses indium phosphide	May	11	59	
Industry Developments				
Aerojet's growth plan puts new accent on chemicals	Feb.	16	23	
Alcolac Chemical's diversification program	Feb.	23	127	
American Viscose, FMC accept antitrust challenge	June	15	21	
American Viscose-FMC, Cities Service - Tennessee Corp. mergers - Justice Dept. decisions may be near	Mar.	30	17	
American Viscose-FMC merger delayed	Jan.	26	18	
American Viscose-FMC merger - F.M. Halt says merger is "preceeding toward conclusion"	June	8	19	
American Viscose-FMC merger - opposition affidavits	June	29	18	
American Viscose-FMC merger postponed at Justice Dept. request	May	18	22	
American Viscose-FMC merger still under study at Justice Dept.	Feb.	16	30	

American Viscose-FMC merger - stockholders will vote at annual meeting	Apr. 6	17	Standard Oil of Ohio looks for chemical acquisitions	Apr. 27	25	Cellular thermoplastic insulation process - letter	Jan. 19	7
Argentina-U.S. guarantee agreement	June 15	33	Stein, Hall pushes into chemical-making ventures	Jan. 5	65	NLRB ruling sparks use of molded insulation for pipe fittings	Apr. 6	81
Baldwin-Montrose plans program of new products, steady expansion	Feb. 16	24	Turkey takes first step in chemicals (table & map)	Jan. 26	57	Synthetic insulators for high-voltage transmission lines undergo field tests	May 18	63
Bonneville stockholder takes further legal measures to block sale	Feb. 23	36	Unilever seeks EEC role	May 18	30			
Bonneville stockholders vote to accept Standard Magnesium offer	Feb. 16	19	U.S. companies push ahead slowly on overseas petrochemical projects	Jan. 5	24	Intorence		
Bonneville's stockholder feud is still red-hot	Jan. 12	22	U.S. Steel and Phillips Petroleum acquire stock in customers	Apr. 20	23	CPI companies rewrite policies, put emphasis on high deductible provisions	Mar. 16	47
Brazil: prospects brighten for foreign investors	Feb. 2	10	Velocid Chemicals picks up big chunk of Michigan Chemical	Jan. 12	18	'Key man' insurance finds new favor with smaller CPI firms	May 18	75
Britain studies productivity in West Germany and Italy	Feb. 23	46	Witco outlines growth plans	Apr. 13	26			
British American Oil takes over majority interest in Shawinigan Chemicals	Mar. 23	25	Information Retrieval			Intermediates		
Bromine know-how pays off for Great Lakes Chemical	Jan. 19	25	Documentation Inc. takes on job of abstracting unpublished aerospace literature, processing cancer-screening data	Jan. 26	83	Cyclic intermediates outlook is good	Mar. 16	78
Business news is encouraging	Feb. 2	68	Heat-developed film focuses on vast data-storage market	June 1	125	Fire retardant intermediates research booms	Feb. 23	105
Canada's political crisis: what it means to U.S.	Feb. 23	35	Houston scientific and technical information center planned	Mar. 16	64	H acid prices	Mar. 9	72
Canadian proposals aim at curbing control of domestic companies by U.S. firms	Mar. 2	20	National Referral Center for Science and Technology set up in Washington	Mar. 16	28	Imine and chloride intermediates	Apr. 27	55
Canadians fear that anti-Americanism may become issue in campaign	Mar. 9	84	Solid-state data center	Mar. 9	84	Indazole intermediates	Apr. 15	51
Capital spending surges toward new peaks (charts & table)	Feb. 16	23	Infrared detector	May 11	47	Organic intermediate, amino HMI	Apr. 6	101
Cargill diversifies into chemical industry	Apr. 27	22	Inhibitors			Terephthalic acid challenges DMT as intermediate for polyester fiber and films	Mar. 9	58
Central America moves toward new prominence in U.S. CPI thinking	Mar. 30	23	Combination scale and corrosion inhibitor for potable water supplies	May 4	69	Ion Exchange		
Central American Common Market launches "integrated factories" idea (map)	Mar. 30	36	Corrosion inhibitor for brake fluids	Mar. 23	66	Antibiotics refining process - Russian report	Mar. 2	56
Chemical industry ranks first in new foreign business activity	Mar. 9	31	Ink			Cellulose ion exchangers	May 18	67
China spotlights chemical industry	June 29	24	Fast-drying marking ink, Alkomatic	Feb. 23	94	Hungarian glutamic acid process uses ion exchange system	Mar. 2	57
Chrysler shifts into high on chemicals (table)	May 4	27	Low-bake, silk screen ink for glass	June 22	74	Ireland - Nitrogenous fertilizer plant proposed	Feb. 2	46
Cities Service acquisition of Tennessee Corp. completed	Mar. 9	39	Newspaper color ink, Top-Set, promises brighter, clearer color reproduction	Mar. 23	61			
Cities Service-Tennessee Corp. merger may violate antitrust laws	June 22	17	Printing ink resin, Polymid 1144	June 8	16	Iron		
Conoco increases holdings in Carlon Products	Mar. 2	23	Printing ink sales roll up records	Apr. 6	101	Powdered metals - report (charts & table)	Mar. 23	83
Continental Oil-American Agricultural Chemical merger proposed	Mar. 2	23	Inorganic Chemicals - Alfa inorganics will make pure and guaranteed inorganics for research purposes	Apr. 20	59	Sponge-iron powder process - Czech report	Mar. 2	58
Cuban prisoner trade underscores Red deficiencies in drug production	Jan. 5	22	Insecticides	May 4	12	Isobutyl isobutyrate - Retarder-type solvent available in commercial quantities	Mar. 16	83
Diversification report shows outsiders swarming into chemical industry - letters	Jan. 5	23	American cockroach sex lure pinpointed	Apr. 6	70	Isophthalic acid - New grade of isophthalic for making light-colored polyester resins	Feb. 23-93	Mar. 2
Eastern European bloc (Comecon) - chemical industry development plans	Jan. 26-6	Feb. 16	Carson, Rachel - "Silent Spring" controversy - CBS looks at pesticides - Viewpoint	Jan. 12	61			
Economic nationalism rears its head in Egypt and Canada	Mar. 2	34	- letter	Apr. 13	5	Israel		
Electric Bond wants to buy out co-owner of Escambia Chemical	June 29	21	- letter	June 29	7	Latin American investment group may build synthetic rubber plant near Haifa	Jan. 5	25
Europe - rejection of Britain throws Common Market into turmoil (table)	Feb. 23	44	Invisible bug 'screen'	May 11	42	Phosphate deposits discovered in Arad	Apr. 13	59
Financial trends for '92 chemical companies (table)	Feb. 9	20	Legislation by states - roundup (table)	May 15	90			
Forecast for next five years: fast growth (chart)	Apr. 6	24	Lindane insecticide prices	Jan. 5	60	Italy		
Forecast to year 2000 (table)	Apr. 6	25	Malathion pesticide prices	Jan. 5	59	Britain sizes up productivity in Italy	Mar. 23	25
Forecast - year 2000 - report (charts)	Apr. 13	86	Methoxychlor coated bags keep out bugs	Apr. 27	34	Communists gain in election, country loses luster for U.S. investors	May 25	77
Foreign forecast - report (charts)	Jan. 19	66	Microbial insecticide, Thuricide 90T Flowable	May 25	43	Foreign forecast - report (charts)	Jan. 19	66
GAF's fast-growing formula (chart)	Mar. 23	20	Miticide called Moricide approved for use on apples and pears	Mar. 23	35	Synthetic fiber output	Mar. 9	37
Government-owned corporation to encourage private U.S. investment in developing nations - BCIU proposal	Mar. 16	41	Organic carbamate insecticide - new formulations	May 11	60			
Hercules will emphasize hard sell in U.S. and growing overseas markets	Jan. 26	26	Pesticides - report Oscar Johnson & others (charts & tables)			Japan		
Italy loses luster for U.S. investors	May 25	77	PL 1. Insecticides, miticides, nematocides, rodenticides	May 25	117	Aluminum makers form export cartel	Mar. 16	20
Japan lowers bars against foreign financial participation (chart)	Apr. 13	55	PL 2. Fungicides and herbicides	June 1	55	Ammonium sulfate and urea exports	May 25	95
Japan - outlook for chemical industry brightens (charts & table)	Apr. 27	77	Pyrethrum promotional push is tied to "Silent Spring" safety pitch (map)	May 15	50	CED recommends dismantling of barriers to imports of goods and foreign capital	Apr. 20	37
Japan will loosen foreign exchange	Mar. 2	36	- letter	June 15	5	Export goals	June 1	32
Japanese company will build polystyrene plant at Hazelton, Pa.	Mar. 16	20	Researchers spotlight safer insect control: bait toxicants, sex-lure chemosterilants - letters	Feb. 9	55	Fertilizer export deal with Red China	Jan. 26	53
Joint ventures, acquisitions, mergers - roundup	Apr. 13	26	Senate hearing starts, Cabinet members back Wiesner report	Mar. 9	7	Fiber output up	Feb. 2	46
Latin American expansions by S.C. Johnson Mergers: American Viscose-FMC; Hess Oil	Feb. 16	45	Senate investigation can do a service - No political football, please - Viewpoint	June 1	29	Follows International Monetary Fund recommendation, moves toward freer foreign exchange	Mar. 2	36
Delhi-Taylor; United Carbon-Ashland Oil - letter	Feb. 2	7	Senate probe to get under way, White House report delayed	Apr. 27	5	Foreign forecast - report (charts)	Jan. 19	66
Midwest governors pitch for new chemical constituents	Jan. 5	56	Trade groups set up committee to guide industry on pesticides problems	May 18	26	Lower barriers against foreign financial participation (chart)	Apr. 13	55
Olin and Indiana Standard outline chemical development plans	Apr. 6	23	White House report - Launching pad for debate - Viewpoint	June 22	25	Organic chemicals export target	Mar. 30	58
Overseas buildup by U.S. engineering firms (chart & table)	May 11	51	White House report puts chemicals on the spot (table)	May 25	54	Outlook brightens as country takes brake off economy (charts & table)	Apr. 27	77
Overseas operations should be integral part of corporate entity - Be a global thinker - Viewpoint	May 4	5	White House report to be followed by Congressional probe on pesticide use	May 25	54	Petrochemical center at Tokuyama	May 18	37
Pittsburgh Plate Glass accelerates growth in chemicals	June 29	7	Institute of Aerospace Sciences - IAA abstracting service covers published aerospace literature	Apr. 27	24	Petrochemical prices are firming	Mar. 2	61
Poland puts chemicals on top (map)	Feb. 23	44	Instruments			Phthalic anhydride supply low	Feb. 16	26
Procter & Gamble makes it pitch in Europe (table)	Mar. 30	70	Atomic absorption spectrophotometer suitable for process control analysis	Mar. 9	70	Polyvinyl chloride shortage develops	June 8	59
Profitability plateau reported in FTC-SEC survey	Apr. 20	24	Beckman branches out into nuclear instrumentation	June 8	48	Quota system for battery exports	Apr. 6	51
Russia names new commissar for chemical industry	Mar. 23	25	Computing totalizer for turbine flowmeters	Feb. 2	66	Synthetic fiber makers benefit from trade deals with Red China	May 25	90
Russia outlines chemical growth from '60 to '80	June 22	24	Direct-reading instrument tester	Feb. 2	66	Urea inventory diminishing	Mar. 16	42
Russian CPI missed its goals last year	Feb. 23	48	Drop test kits for testing water	June 15	52	Vinyl plant negotiations with Red China	June 8	26
Small Business Committee's report on acquisition in CPI - Who's invading whom - letter	Jan. 26	6	Du Pont moves ahead in instruments field	Apr. 13	27	Japan Petrochemical Industry Assn. - Polyethylene production plans	Feb. 16	26
South Africa brews trouble - Viewpoint	Apr. 20	5	Electronic instruments calibrator	Mar. 9	55	Justice Dept. - Antitrust Division - Lawrence Williams is new chief	Jan. 19	30
South Africa - good investment opportunity despite internal unrest (map)	Apr. 20	47	Gas detector	Feb. 9	49			
Specialties - one-stop stores shape future of specialties sales	May 4	58	Infrared detector	Mar. 2	52	K		
Standard Oil (New Jersey) drives deeper into chemicals (table)	May 11	22	Japanese-U.S. instrument technology swap	June 1	113	Ketones - Fluoroketones; family of new chemicals bids for jobs	Mar. 2	47
Standard Oil (New Jersey) intensifies chemical efforts	May 4	18	Onstream process analyzers gain favor with CPI (table)	Apr. 20	81			
			Portable gas analyzer detects trace amounts of hydrocarbons in air	Jan. 26	91	L		
			Production statistics analyzer	June 22	46	Labeling		
			Pump performance checked by new instrument system	May 18	67	FTC case against sleeping bag manufacturers	Mar. 16	27
			Rubber tester, Oscillating-Disk Rheometer	Feb. 16	47	Hazardous substances legislation by state roundup (table)	June 15	90
			Solid-state totalizer (SST-1) called PulsScript	Feb. 9	49	Weights and measures - roundup of state legislation (table)	June 15	91
			Strip-chart calibrator	Apr. 20	81			
			System monitor	Jan. 26	91	Labor		
			Thickness tester	June 15	51	Agency shop controversy	June 15	34
			Turbidity analyzer	Apr. 6	102	American Viscose preserves no-strike record	Apr. 27	40
			Insulation			Anti-unionism warning	June 15	44
			Cellular thermoplastic insulation markets get boost from Carbide's new patent	Jan. 19	62	AEC's Nevada test site - labor trouble	Mar. 16	28
						Atomic wage pact	Jan. 12	83
						Australian petroleum workers seek affiliation with IFPW	Apr. 25	178
						Automation policy revised by Dow	May 6	30
						Automation report shows 35,000 jobs are lost each week to machines	Feb. 9	28
						Benefits for participants in illegal walkout	Apr. 6	32
						British survey of junior executives' salaries	May 4	38

Business Council forecasts moderate wage increases	May 25 72	Laminates - Plastic-laminae-clad doors and kitchen cabinets	May 18 72	North Carolina water pollution bill	May 18 18
Canadian joint collective bargaining drive	Feb. 16 40			North Carolina will require stream polluters to pay for dead fish	June 15 40
CPI increases size of cash awards for idea-generating employees	June 29 29	Latex	May 25 55	North Dakota curbs drug discounts	Apr. 27 34
Civil rights bill faces rough battle	June 29 28	Koppers plans acrylic latex production	May 25 55	Olin Mathieson charged with concealing kickbacks in drug sales involving U. S. foreign aid funds	Mar. 16 36
Crisis in labor - report (chart & tables) - letter	Feb. 23 67	Paint latex producers look for growth in exterior, industrial fields (chart & table)	June 22 67	Oregon and Florida step up antipollution drives, North Carolina eases up	May 25 174
District 50 edges out OCAW at Ethyl plant	Mar. 16 12	Paper coating latex	May 11 48	Oregon probes asphalt bids	Jan. 12 85
Du Pont pay raise	Mar. 16 52	Saran latex prices	Apr. 20 96	Penn-Olin facts vs. theory - Viewpoint	May 11 5
Employee morale improved by letting workers pick their own package of fringe benefits	Mar. 23 112	Styrene-butadiene latex, Dylex K-55	Feb. 23 94	Penn-Olin joint venture, Lever-Monsanto "all" detergent - antitrust charges dismissed	May 11 21
Employment of production workers up	Feb. 23 35	Ultrafine particle vinyl copolymer latex	Apr. 6 102	Plasma - arc torch antitrust charges	Jan. 19 20
Equal pay for women is now federal law	June 22 29	Latin America - Foreign forecast - report (charts)	Jan. 19 66	Plywood antitrust suit filed	Mar. 23 24
France's labor turmoil	Apr. 6 41			Promise furniture polish trademark suit	Jan. 12 85
German metal workers' strike settled, improvement in labor relations forecast	May 25 79	Low	Apr. 6 32	Quality stabilization bill opposition	June 15 33
German wages may be pushed up another 8-9%	Feb. 23 52	Acetylene process hassle comes to boil	Apr. 27 60	Rapid Shave television commercials still under fire	Mar. 23 114
Glass workers get wage increase	Jan. 12 84	Aerosol shaving cream patent suit settled	Mar. 23 24	Refrigerant gas suit	Apr. 13 42
Government tries novel approach to strike prevention for NASA's Mississippi Test Operations	May 11 84	Air pollution charges close phosphate plant	June 15 40	Robinson-Patman Act - layman's guide	Mar. 29 28
Hercules Powder avoids strike	Apr. 27 40	Alabama Coosa River pollution case settled	Apr. 6 32	Robinson-Patman Act - "unreasonably low prices" section upheld	Mar. 2 27
Humble Oil layoff coming	Mar. 16 52	Antibiotics trade secrets case	Jan. 5 24	Sewer case	June 1 44
Kelly Girl Service launches program to supply temporary personnel for sales companies	Mar. 23 64	Cancelerich and Fine plead guilty	Jan. 19 24	Soda ash-from-iron patent battle looms	May 11-20, May 18 21
Layoff at Carborundum plant	June 15 44	Gerace pleads guilty; Frank Delaney observes case as friend of Visconti	Jan. 19 24	Sodium chloride additives patent infringement suit settled	Mar. 2 26
Longshoremen strike legacy	Feb. 2 22	Antitrust outlook: more of the same in '63 (table)	Feb. 23 39	Space suit expert seeks right to work for former employer's competitor	Apr. 27 38
Longshoremen strike takes chemical toll	Jan. 5 21	Aries, Robert, jailed in France - letter	Jan. 12 7	Space suit trade secrets case - Goodrich is victor	June 1 30
Longshoremen's strike - impact on chemical shippers has varied	Jan. 12 72	Baton Rouge, La. residents sue Allied over alleged home damage	Jan. 5 58	Specialties marketers keep wary eye on bills before state legislatures	Feb. 23 125
Management vows to support economic equality for Negroes	June 22 23	Bayer Aspirin ad ruling	Mar. 30 36	State legislatures step up pressure on specialties makers (table)	June 15 89
Maritime disputes - battle over compulsory arbitration bill leads to plan to lift ban on U. S. use of foreign-built ships	June 8 57	Bayer Aspirin ad ruling upheld by federal court of appeals	May 18 18	Stock fraud case involving United Dye - decision	Feb. 9 24
NLRB ruling sparks use of molded insulation for pipe fittings	Apr. 6 81	Bayer-Sterling trademark suit decision	Mar. 2 28	Tanker Marine Sulphur Queen litigation	Feb. 23 36
Negro hiring up	June 15 44	Beryllium firm charged with misrepresentation of assets	May 18 21	Technology export test generates hot legal battle	Mar. 9 22
New Jersey court ruling on accident reporting could be costly	Mar. 30 35	Bonneville stockholder take further legal measures to block sale	Feb. 23 36	Texas' "dedicated reserves" tax on natural gas is unconstitutional	Mar. 2 18
Niagara Falls companies deny charges that federal funds were being used to relocate New York plants in Ohio and Tennessee	Feb. 23 160	Bonneville stockholders vote to accept Standard Magnesium offer	Feb. 16 19	Texas water rights hassle	Apr. 27 40
OCAW accepts 5% wage increase from oil firms	Jan. 12 83	Bonneville's stockholder feud is still red hot	Jan. 12 22	Thalidomide hearings	Apr. 27 40
OCAW proposes increase in dues	June 15 46	Breach of contract suit against Haveg	Jan. 5 58	Titanium dioxide trade secrets battle - preliminary injunction bars Donald Hirsch from disclosing details of Du Pont process	Jan. 12 84
OCAW wins at Avison plant	June 29 34	California attack on "false-bottom" jars could lead to rash of packaging laws - letter	Mar. 9 47	Trisodium phosphate price fixing complaint - eight firms and MCA sign consent order	Jan. 19 19
OCAW to formulate bargaining program for petroleum unions	May 18 81	California seeks injunctions against cosmetic makers using plastic packages with "false" bottoms and sides	Feb. 9 17	Trisodium phosphate price fracs draws attention to illegal pricing policies	Jan. 26 21
Organized labor looks at itself - Viewpoint	Jan. 12 5	California's misleading container battle - Creative Plastic Containers wins latest round	May 11 20	"Truth in packaging" bill is back with greater support	Feb. 9 27
Overtime - labor opens drive to cut overtime work	Feb. 2 32	California's misleading container lawsuit against three cosmetics makers	Mar. 9 17	Vinyl film products antitrust suit	Apr. 13 27
Paper workers state objectives	June 1 44	Carbonless "carbon paper" patent infringement suit	Mar. 9 18	Vitamin B12 patent suit - Merck sues Richter	Feb. 9 24
Patent amendment to Labor Management Relations Act	June 29 32	Citric acid suit: new ruling, same result	Apr. 13 27	Vitamin-deficient baby milk formula lawsuit settled	Jan. 12 85
Pay bonus for Kaiser employees	June 29 38	Congress will consider legislation of vital interest to CPI in new session	Jan. 12 27	Water pollution probe may lead to tougher federal enforcement of laws	June 8 41
Profits vs. costs - letter	Apr. 20 10	Congressional proposals CPI executives should watch	Jan. 12 28	White Motor's dealer contracts case to get definitive test	Mar. 16 27
Psychological testing strikes back at critics - letter	Jan. 22 7	Consumer Advisory Council endorses series of Administration proposals	Mar. 30 28	Williams, Lawrence, will head Justice Dept.'s Antitrust Division	Jan. 19 30
Puerto Rico unionization	Jan. 12 84	Cooled surgical tool lawsuit	Apr. 27 40	Leaching - Metallurgical leach process - Monsanto has worldwide licensing rights	May 4 55
Radiation protection - unions demand stricter safety measures	Mar. 23 107	Copper firm charged with violating antitrust laws	Jan. 12 23	Lead - Prices	Jan. 26 85
Radiation protection - unions support "threshold" concept	May 11 84	Copper firm will fight antitrust suit	Jan. 19 20	Leak Detectors	
Rail dispute - Kennedy extends deadline	June 22 18	Cyclamate sweeteners piracy case	Mar. 9 18	Hydrostatic testing unit	Apr. 13 91
Railroad strike averted	Apr. 13 19	Delaware court absolves Hercules Powder in death of construction worker	Feb. 2 73	New equipment: (1) sulphur dioxide spray forms visible fog near leak in ammonia line; (2) portable gas analyzer detects hydrocarbons in air	Apr. 20 81
Railroads - Kennedy exerts pressure to avert strike	June 29 27	Delaware may revise stock seizure policy	Mar. 16 52	Leasing	
Railway dispute - breakdown in labor-management talks	Mar. 23 17	Delaware will study state's corporation law	June 29 38	Truck and auto leasing record in '62	Jan. 19 38
Railway dispute - Supreme Court affirms lower court rulings	Mar. 16 19	Detergent antipollution legislation - Reuss attacks opponents	May 25 71	Truck leasing - an attempt to cut distribution costs (chart)	June 29 65
Reuther, Walter, opens organizing drive	Feb. 16 29	Equal pay for women is now federal law	June 22 29	Leather	
Roxana, Ill. strike settled	Feb. 23 150	Estes, Billie Sol, gets 15-year sentence; state readies antitrust suit	Apr. 27 25	British firm will market synthetic leather in U. S.	Feb. 2 46
Rubber contract calls for joint-study committee	June 15 46	Explosion damages suit	June 15 40	Corfam shoe material is largely polyester fiber	June 15 79
Rubber industry settlements	May 4 17	FTC considers voluntary compliance plan	Mar. 23 39	Synthetic leather for shoe uppers	May 18 17
Rubber industry strike averted	Apr. 27 18	Fair trade legislation by states - roundup (table)	June 15 91	Synthetic vs. leather for shoe-upper market	May 25 51
Rubber negotiations emphasize job security	Feb. 9 18	Fair trade' suit against Wilmington Vitamin by Parke, Davis	June 5 58	Leveling agent, Abolene NR	Apr. 13 91
Rubber settlements may give tipoff on steel and electrical negotiations	May 4 25	Filtror stockholder's dividend suit turned down	May 25 174	Light	
Ruttenberger, Stanley, moves from AFL-CIO to Labor Dept.	Jan. 5 32	Florida considers severance taxes on phosphate and wood pulp	Apr. 13 42	Cold light concept uses tritium-triggered electroluminescence	Apr. 20 76
Seattle distributor boosts pay	May 15 44	Fluoridation pickup in New Jersey	June 1 44	World's most powerful continuous beam of light	May 25 66
Settlements - roundup	May 18-81, June 29 34	GAF case	Jan. 19 30	Lighting	
Shell expands in midst of strike at Houston Stauffer strike - supervisory personnel run plant	May 15 98	Delay reported	Feb. 23 35	Emergency lighting unit	Apr. 27 56
Steel crisis may be side-stepped this year	May 11 19	Keating and Katzenbach confer	Mar. 16 42	Photoluminescent additive, Lungalo	Apr. 20 84
Steel settlement	June 29 17	Negotiated settlement may be in the making	Mar. 2 27	Polarized light stirs new controversy in plant lighting (table)	Feb. 9 41
Steel workers may reopen contract negotiations	June 1 23	Settlement	Mar. 9 25	Lignin - Three processes use lignin as reinforcing agent and filler for rubbers and plastics	Mar. 2 58
Strike by Leeds & Northrup employees settled	Jan. 12 83	Criticism of settlement	Mar. 16 19	Lignite - Susquehanna-Western is ready to process uranium from lignite in North and South Dakota	May 4 56
Strike over at Taylor Corp.	May 25 178	Growth plans (chart)	Mar. 23 20	Lindane - Prices	Jan. 5 60
Susquehanna-Western votes against union representation	Jan. 12 84	Interhandel shareholders approve deal	Apr. 6 18	Lithium	
Teamster setback at Baltimore Paint and Chemical	Feb. 2 73	Glue snuffing legislation delayed in New York	June 8 63	AEC must find market for lithium stockpile	Apr. 13 30
Teamsters get second try at Bancroft & Sons	Apr. 6 30	Glue snuffing under attack	Apr. 13 77	Market outlook improves	May 4 64
Teamsters turned down by Mallinckrodt workers	Jan. 5 57	Government sues to recover costs for raising liquid chlorine tanks from Mississippi River	Jan. 19 26	Lubricants	
Teamsters set back at Baltimore Paint and Chemical	Feb. 2 73	Heat-treating salt labeling case	Mar. 16 85	Additives - new compounds may have broad application in aluminum fabrication methods	Jan. 26 70
Teamsters' 35-hour work week - Reuther opposes	Mar. 9 27	Kennedy's health message	Apr. 27 40	Aerosol lubricants and release films	May 18 68
Meany proposal	Mar. 9 27	Kentucky court awards oil and gas rights to Henderson County	Feb. 16 29	Aluminum lubricants to be marketed under CINDOL trade name	June 29 48
Unions push for joint management-labor study groups	June 1 37	Lamakers need your advice - Viewpoint	Feb. 2 5	Colloidal suspensions of tungsten disulfide	June 29 39
Wage boost by Harshaw Chemical division	Feb. 23 163	NCA's Hull discusses increased government control over business	June 15 25	Mold-release agent and lubricant	Jan. 5 36
West Coast pulp and paper wage increases	June 15 44	Martin Marietta will divest itself of 75 cement plants	Mar. 30 28		
West German wage contracts	May 4 38	Meat tenderizers - California ruling	Apr. 6 32		
Zinc employees application for labor adjustment assistance denied	Mar. 23 24	Mistakes Oil's minority stockholders balked	Mar. 30 36		
Zinc workers apply for federal unemployment benefits under Trade Expansion Act of '62	Feb. 16 40	Missouri oil lease decision reversed	Jan. 5 58		
		Natural gas refund case settled	Apr. 27 40		
		Nautolex vinyl fabric lawsuit	Apr. 13 42		
		New Jersey court ruling on accident reporting could be costly	Mar. 30 35		

Molybdenum disulfide lube additives cause corrosion
New lube resist potent liquid rocket fuels
Prime mover will use gas-lubricated bearings
Small-size tungsten disulfide powder lubricant
Water-lubricated centrifugal compressor gets trout
Luxembourg - Nylon 6/6 filament yarns project
Lysine - Prices

Apr. 27 68
Apr. 6 70
Apr. 27 64
June 15 52
Jan. 12 64
Apr. 13 99
Jan. 12 71

M

Magnesium
Dustless flux
Production up in '62
Magnets
Cryopak compact, superconducting magnet system
Magnetohydrodynamic generator has been coupled with a superconducting magnet
Superconducting columbium-zirconium alloy in four different compositions
Superconducting magnet provides room-temperature magnetic field
Superconducting magnets race resumes
200-lb. superconducting magnet system requires almost no power input
Maine - Androscoggin River pollution fracas
Malathion - Prices
Maleic anhydride - Prices
Maleic hydrazide - USDA report criticizes MH-30 use

Jan. 26 92
Feb. 2 61
Mar. 23 78
Jan. 19 52
Mar. 9 55
Jan. 5 45
June 22 56
Mar. 23 78
Feb. 23 160
Jan. 5 59
Apr. 27 72
Mar. 2 18

Management
Annual meetings - roundup Apr. 20-23, May 25-53
Be a global thinker - Viewpoint
Bon Ami annual meeting
Bonneville stockholders takes further legal measures to block sale
Bonneville stockholders vote to accept Standard Magnesium offer
Bonneville's bitter battle over proposed sale
Bromine know-how pays off for Great Lakes Chemical
CPI increases size of cash awards for idea-generating employees
CPI seeks cure for 'technological obsolescence' of scientists and engineers (chart)
Computers help management make decisions (table)
Delaware looses appeal as corporate home
Dunn, Parker S., new president of American Potash
Esso Research has a new president: Charles F. Jones
Executive changes at Goodrich-Gulf, Commercial Solvents, Matheson and Borg-Warner
Governors pitch for new chemical constituents
Grace promotes professional eye care to stockholders
Hercules heads for harder sell under Henry A. Thouron
Hercules' new president: Henry A. Thouron
Hooker puts accent on youth in top command
Industry leaders vow to support economic equality for Negroes
Insurance on key men helps small CPI firms survive sudden loss of leadership
Kaiser gives its chemicals division a president
Labor looks at itself - Viewpoint
Labor: the big challenge - report (chart & tables)
Labor Management Relations Act - patent amendment
Mason, Birmy, Jr., Carbide's new chief executive officer
Movies gain favor with CPI
New Jersey companies battle ruling on accident reporting
Product managers take on bigger role in corporate planning (table)
Programmed instruction gets high grades in the CPI (table)
Psychological testing strikes back at critics
Score of new management positions crop up in CPI
Sims, D.W., is new chairman of Carlon Products
Tax credit reform gets industry vote as way to hypo plant investment (table)
Total management system comes into vogue
Unions push for joint management-labor study groups
United Technical Industries charged with misrepresentation of assets
Manganese - Ferroalloy producers seek import quotas

June 1 28
May 4 5
June 29 7
June 29 24
Feb. 23 36
Feb. 16 19
Jan. 12 22
Feb. 2 68
June 29 29
Mar. 2 66
Feb. 16 33
Mar. 16 52
May 18 20
Mar. 9 78
May 4 23
Jan. 5 56
Apr. 27 38
Jan. 26 26
Jan. 19 25
June 15 24
June 22 23
May 18 75
Feb. 16 23
Jan. 12 5
Feb. 23 67
June 29 32
May 11 25
June 15 37
Mar. 30 35
Apr. 20 87
Apr. 13 38
Apr. 20 29
June 22 7
Jan. 19 43
Jan. 5 22
Apr. 27 37
May 25 167
June 1 37
May 18 21
June 8 60
June 8 37
Mar. 30 10
Mar. 2 55
Jan. 5 7
Mar. 16 5
Apr. 20 10
Apr. 20 29

- Letter
Research personnel shortage pinpointed in new survey
'Technological obsolescence' of scientists and engineers threatens CPI (chart)
Monochloro Chemists' Assn.
Hull, John E., discusses inadequate public relation budgets - Viewpoint
West Virginia meeting highlights: John E. Hull delivers farewell address, Christian Herter discusses trade agreements
Marine Engineers Beneficial Assn. - Calhoun, Jesse, proposes that U. S. companies be allowed to use foreign-built ships
Markers - Self-luminous markers for use in aircraft

June 22 7
Jan. 26 77
Mar. 2 66
June 29 5
June 15 25
June 8 57
May 25 44

Masers
Audio signals transmitted over a light beam generated by an injection laser
Continuous 9-watt laser
Injection laser uses indium phosphide
Laser action discovered in four more gas systems
Laser discharge stored in a spinning mirror
Liquid laser based on europium in an organic chelate
Plastic laser developed
Rare-earth solutions for work with lasers
Russian scientist points to possibility of energy transfer in organo rare-earth compounds
Mason, Birmy, Jr. - Carbide's new chief executive officer
Massachusetts Institute of Technology
Pumping baffles developed by James Vaughn and Edmund Gilliland
Tungsten bonding technique

June 1 12
May 4 5
May 11 59
Apr. 20 76
May 4 56
Mar. 2 51
Mar. 16 64
Apr. 6 101
Mar. 2 51
May 11 25
June 1 102
Jan. 12 69

Materials Handling
Air-handled bulk shipping gains new adherents
Nylon strapping system for shipment of pallet loads
Metal-aging process uses Thannidum
Metal Health - Senate passes program
Mercaptals - Pilot-plant quantities available
Metachloroperbenzoic acid - developmental quantities available

Mar. 23 27
Jan. 5 35
June 22 50
June 8 30
Mar. 16 23
Feb. 23 93

Metals
Carbon is more fireproof than some refractory metals
Electrodeposition of metals onto molded plastic parts - new technique
Explosive cladding moves closer to commercialization
Fiber reinforcement of metals studied
GE dedicates refractory metals plant
Inspection unit detects flaws in metals
Kawachi Chemical charts new marketing maneuvers
Monsanto makes first move into metals
Monsanto obtains worldwide licensing rights to metallurgical leach process
Powdered metals - report (charts & table)
Primary metals buildup in Southwest (map)

May 11 60
Apr. 6 69
May 25 114
June 29 47
May 11 59
Feb. 23 93
June 15 25
May 11 24
May 4 55
Mar. 23 83
Mar. 2 24

Meters
Oxygen meter
Tank level meter
Methanol - Japanese price
Methyl benzophenones - Developmental quantities of four compounds and a lower cost isomer mixture available
Methyl methacrylate monomer - Prices
Methyl naphthalene - Semicommercial production by Ashland
Mexico
First antibiotics plant opened
Sulphur producers did relatively well in '62
Microcircuits - Continuous machine for vacuum deposition of thin film circuits
Microfilm
Filing system called Docufilm
Microfilmed equipment catalogs speed data searches in plants
Mills - Remote-controlled grinding mill

May 4 70
Apr. 20 84
Mar. 2 61
June 8 40
June 29 57
Mar. 30 49
Feb. 9 37
Mar. 23 18
Apr. 20 76
June 22 73
Apr. 13 92
June 22 73

Minerals
California geothermal well contains large quantities of minerals
California geothermal wells - negotiations for chemical recovery rights
Mining minerals from the sea discussed at ACS meeting
1962 was record year for U.S. producers
Poland runs short of mineral raw materials
Senate will check domestic minerals industry
Mining - Solution mining of Saskatchewan potash moves closer to reality
Minnesota - Luring new labs to the Twin Cities (table & map)
Modernization - Plant modernization gets the hard sell in new government campaign

Mar. 16 63
June 1 92
Apr. 13 70
Jan. 12 72
Mar. 2 34
Mar. 30 27
Feb. 9 67
May 4 43
Feb. 16 22

Molding
Diallyl phthalate resin-molding compounds
Glass-fiber-reinforced phenolic molding compound
Glass polyester molding compound for electrical components
Mold-release agent and lubricant
Reichhold adds phenolic molding compounds

Apr. 6 102
Mar. 16 83
June 1 108
Jan. 5 36
June 8 24

Molecular Sieves
Molecular sieve hydrocarbon catalyst with pore size between 6 and 15 angstroms
Sieves score big gains in hydrocarbon separation jobs (chart)
Molybdenum - Molybdenum alloy

Feb. 23 100
Jan. 26 37
Jan. 5 35

Molybdenum disulfide - Army group warns against corrosive effects of lube additives
Monaco - France wins tax fight
Monomers - Thermosetting resins research spawns new family of monomers
Monosodium glutamate - Price cuts, Japan urged to double import allowance on raw materials

Apr. 27 68
Mar. 2 33
Jan. 5 42
Apr. 6 89

Motors
Silicone rubber encapsulant
Speed-control unit
Moving Pictures - CPI boosts movie-making outlays
- letter

May 18 67
Apr. 13 91
June 15 37
June 29 7

N

Naptha-based route to hydrogen reaches commercial status

May 11 54

Naphthalene
Ashland Oil expansion
Phthalic price cuts put squeeze on raw material suppliers
U.K. naphthalene-phthalic anhydride contract terms changed

Mar. 30 49
Apr. 27 71
Feb. 9 77

National Aeronautics and Space Administration
Engineering and administration building to be built at Marshall Space Flight Center at Huntsville, Ala.
New programs speed flow of government R&D information (table)
Space electronics research center planned for Boston area
Space program conference
National Assn. of Accountants - Panel discussion on Revenue Act of '62
National Petroleum Council - Study of petrochemicals made by oil and gas companies
National Referral Center for Science and Technology - New information retrieval center in Washington
National Safety Council - Plans revisions of rulings for counting injuries
National Science Foundation
Haworth, Elford, may be new head
National Referral Center for Science and Technology - clearinghouse for scientific information Mar. 16-28, (table)
National Swimming Pool Institute - Construction report

Mar. 9 87
May 25 57
Feb. 9 64
Jan. 26 32
Apr. 27 36
Mar. 30 24
May 25 57
May 25 172
Mar. 23 40
May 25 57
May 25 104

Natural Gas
European study group recommends integrated pipeline network to distribute North African and European natural gas
Fuel cell operating on natural gas has been successfully tested
Texas "dedicated reserves" tax on natural gas is unconstitutional
Underground freezing technique will be used in East's first gas storage cavern
- letter
Underground storage of LNG - Philadelphia Gas Works project

Feb. 23 54
Jan. 5 45
Mar. 2 18
Mar. 2 55
Apr. 6 7
May 11 60

Natural Resources
Closeup - year 2000 - report (charts)
Kennedy recommends new emphasis on research
Outlook to year 2000
Naval Stores - Pacific Northwest industry development
New Hampshire - Androscoggin River pollution fracas
New York (City) - Times Tower becomes showcase for chemistry
New York City World's Fair - Chemical organization moves ahead with plan to lure CPI firms to World's Fair
New York State - Erie-Niagara watershed planning and study project

Apr. 13 86
Jan. 19 30
Mar. 30 60
Apr. 13 80
Feb. 23 160
Apr. 20 24
Jan. 12 83
Feb. 9 25

Nitric Acid
Prices
TVA chooses builder for nitric acid plant
ortho-Nitrochlorobenzene - Prices

May 4 63
Feb. 23 24
Apr. 23 102

Nitrogen
Air Products enters nitrogen-freezing-food business
Fertilizers "record crop" in view (tables)
West Coast liquid nitrogen producer boosts capacity to meet booming demand
World markets head toward a banner year
p-nitrotoluene - Prices
Noise - CPI's noise control progress
- letter
Nonane diacetate-1,3 - Jasmine chemical for use in perfume industry
Nonylphenol - Prices
North Carolina - Phosphate mining feasibility study by Magnet Cove and Smith-Douglass
Northwestern University - Transportation Center launches two programs aimed at producing transportation-distribution specialties

Jan. 12 61
Apr. 20 101
May 22 70
May 4 64
Apr. 6 90
Feb. 2 27
Feb. 23 7
Apr. 6 101
Feb. 9 77
Feb. 9 24

Nozzles - Spray nozzles
Nylon
Allied pushes nylon-6 to fiber market front ranks
Dymetrol nylon strapping
Fibers roll up new rug gains (charts)
Market grows, expansions continue (tables)
Tricot makers launch promotional drive, new fabric guarantees

June 8 55
Jan. 5 35
June 29 61
Mar. 9 24
June 8 60

O			Patents			Phosphate		
Octafluoropropane - Available for use as gaseous dielectric	May 25	43	Aerosol shaving cream patent suit settled...	Mar. 23	24	Available from Rocky Mountain Research	Mar. 16	83
Octylphenol - Prices	Feb. 9	77	Drug patents may be killed in Canada - threat grows in other countries too (table)	Mar. 23	49	Hooker process uses new cell	Feb. 23	100
Ohio State University - Institute For Research in Vision - Blackwell, H. Richard, discusses advantages of polarized light	Feb. 9	41	Government-wide patent policy changes will please no one	Mar. 16	28	Phosphoric acid		
Oils and Fats			Labor Management Relations Act - patent amendment	June 29	32	Canadian phosphoric acid project from native ores under intense study - letter	Mar. 30	41
Laboratory bath oil	Feb. 23	94	Magnetic tape index file of chemical industry patents	Jan. 19	29	Japanese process makes phosphoric acid and gypsum from phosphate rock	Mar. 2	56
Safflower oil supplies loosen up, slight surplus develops	Jan. 26	86	NASA will tighten restrictions on patents going to contractors	Feb. 23	61	Wet process features crystallizer technique that yields 50% acid	June 1	98
Tall oil fractionating plant at Portland, Ore. will buy crude tall oil from West Coast kraft mills	June 15	97	New bill covering rights of employee-inventors stirs up storm on West Coast	Apr. 6	70	Phosphorus - Fertilizers: 'record crop' in view (tables)	Apr. 20	101
Tall oil outlook	Feb. 2	58	Polyacetate patent dispute ends	May 11	19	Photo resist - Fast photo resist called Kodak Ortho Resist	Feb. 9	50
Tall oil shortage may cause pinch in fatty acid supply (chart & table)	May 25	157	Polyester fiber patent fracas in Germany	Apr. 6	23	Photocopying - Pay-as-you-copy plan initiated	Feb. 2	64
Tall oil - Spence fractionating process requires comparatively low investment	Jan. 5	51	Polypropylene fight - Montecatini wins round in Austria	Mar. 23	78	Photography - Xerox may enter color photography field	Feb. 16	47
Olefins			Polypropylene patent cross-licensing	June 15	21	Photosynthesis - University of California researchers clarify ferredoxin's role in photosynthesis	Apr. 27	59
Alpha-olefins set sights on variety of markets (table)	Mar. 23	69	Polypropylene sparks patent rush (chart)	Jan. 12	32	Phthalic anhydride		
Alpha-olefins to be produced commercially by Gulf Oil	Jan. 12	72	Soda ash-from-trona patent battle looms	May 18	21	Grace, W.R., will not shut down Badger-process phthalic plant at Fords, N.J.	June 1	121
Copolymers of acrylonitrile and alpha-olefins	June 29	47	Urethane foam industry studies new patent covering use of fluorocarbon blowing agents	Mar. 16	23	Growing use of o-xylene predicted	Feb. 23	129
Organophosphites - Prices	Mar. 30	59	Paveit - Color paving products called Pavebrite	May 25	44	Japanese prices	Mar. 2	61
Oxalic acid - Prices	Jan. 26	86	Pentaerythritol - Offered below schedule by New York reseller	Mar. 16	71	Japanese supply is running low	Feb. 16	78
Oxygen			Peracetic acid			Market outlook for '63	Mar. 16	78
Oxygen lancing discontinued by steel firm	Apr. 20	74	Continuous exposition process uses concentrated aqueous peracetic acid made by vacuum azeotropic distillation	Mar. 16	63	Offered below schedule by New York reseller	Mar. 16	71
Water-lubricated centrifugal compressor aims for oxygen service	Jan. 12	64	New processes bolster growth of epoxidation products (charts & table) - letter	Apr. 6	55	Price cuts, raw materials jockey for position	Apr. 20	96
Ozone difluoride - Centaur may use ozone difluoride as igniter	June 22	49	Perchloroethylene - Market outlook: bright (charts)	May 4	12	Price drop puts squeeze on least-efficient capacity (chart)	Apr. 27	21
			Perfumes	Jan. 5	61	Prices - Apr. 27-71, Supply-demand imbalance, molten phthalic prices	May 18	85
			Britain's Proprietary Perfumes moves into open market	May 25	99	U.K. naphthalene-phthalic anhydride contract terms changed	Feb. 9	77
			Nonane diacetate-2,3, new jasmine chemical	Apr. 6	101	Pigments		
			Peroxide - Organic peroxide cross-linking agents for vulcanizing rubber and plastics	Apr. 13	69	Heat-stable Day-Glo fluorescent pigment	Jan. 19	65
			Peru - Transforms insecticide pilot plant into production-scale unit	Mar. 23	56	Phthalate-ester formulated pigment color prices	May 18	72
			Petrochemicals			Titanium dioxide pigments trade secrets suit - preliminary injunction bars Donald Hirsch from disclosing details of Du Pont process	Jan. 5-18, Jan. 12	84
Packaging			Allied proceeds with expansion program	May 11	24			
Beer cartons made of polyethylene sheet	Jan. 12	72	British demand for petrochemical feedstocks grows	June 1	138	Piping		
Bugproof bags tested by USDA	Apr. 27	34	British Petroleum's chemical stake grows (table)	May 25	85	Coal pipeline at Cadiz, O., may be retired	May 11	60
California attack on "false-bottom" jars could lead to rash of packaging laws - letter	Mar. 9	47	El Paso Natural Gas stages big buildup in Odessa, Tex.	June 8	24	Coal pipeline in Ohio will be closed down July 1	May 25	114
California's misleading container battle - Creative Plastic Containers wins latest round	May 11	20	India will develop petrochemical industry	May 11	28	Combination pipeline-reactor envisioned	Apr. 27	59
California's "misleading" container lawsuit against three cosmetics makers	Mar. 9	17	Japan pushes petrochemicals	Apr. 27	77	Electric heating system cuts costs of tracing process piping and equipment	June 1	115
California seeks injunctions against cosmetic makers using plastic packages with "false" bottoms and sides	Feb. 9	17	Japanese prices are firming	Mar. 2	61	European study group recommends integrated pipeline network to distribute North African and European natural gas	Feb. 23	54
Flexible plastic packaging film sets new record (charts & table)	May 11	73	Phillips Petroleum looks for more chemical growth	Jan. 26	24	Induction heating bids for pipe winterizing jobs	Apr. 27	63
Foam vinyl plastisol for stripplable packaging	Feb. 23	99	Reval sees rosier future for petrochemicals	May 18	21	NLRB ruling sparks use of molded insulation for pipe fittings	Apr. 6	81
Printing ink market, paced by packaging, presses toward record year	Apr. 20	59	Spain moves to bolster its position in petrochemicals	Mar. 9	34	Pipeline strainer	Jan. 19	65
"Truth-in-packaging" bill - business opposition has its effect	May 4	26	Survey gives data on oil and gas firms' share of U.S. chemical output (charts)	Mar. 30	24	Plastic piping costs, savings pinpointed	Mar. 23	42
"Truth-in-packaging" bill endorsed by Consumer Advisory Council	Mar. 30	28	Turbine-powered cars pose problems for petrochemicals, additives	May 18	19	Poland - Friendship pipeline will feed petrochemical complex (map)	Apr. 13	51
"Truth-in-packaging" bill gains considerable support in Congress	Apr. 27	30	U.S. companies push ahead slowly on overseas projects, but Phillips pulls out of Algerian venture	Jan. 5	24	Polypropylene-lined pipe, valves, fittings, pumps introduced	Jan. 19	32
"Truth-in-packaging" bill reintroduced	Feb. 9	27	Petroleum			Spain bids for station on trans-Mediterranean gas pipeline	Mar. 9	34
"Truth-in-packaging" bill - Senate decision near	Apr. 6	36	Britain's oil appetite grows	June 1	138	Synthetic-foam cylinder for cleaning pipes	Apr. 6	102
Weights and measures - roundup of State legislation (table)	June 15	91	Bulgaria builds first modern refinery	June 8	20	Transition pipe joints for insulation space in cryogenic vessels	Jan. 26	92
			Catalyst cleaning process, Met-X - separation process is key	Apr. 20	74	Plant Location		
Packing			Edible yeasts from petroleum paraffins	Jan. 5	53	Hawaii has high hopes for chemicals (table) - letter	Apr. 6	94
Soft packing material contains graphite and TFE fibers	June 15	51	Fermentation processes feed on low-cost petroleum raw materials (tables)	Feb. 2	49	Houston boosters keep industry in the coral (table)	Apr. 6	28
Teflon packing for emergency service	Apr. 27	56	Glass propping agent for use in hydraulic fracturing	June 22	49	Memphis makes new bid for chemical plants, rejoins TVA power system	Jan. 26	25
Paints			LPG lineup changes as Carbide bows out of business	Jan. 12	23	Midwest governors pitch for new chemical constituents	Jan. 5	56
Acrylic, new quick drying paint for automotive trade	Jan. 26	70	Molecular sieves sift profits from petroleum (chart)	Jan. 26	37	Minnesota - luring new labs to the Twin Cities (table & map)	May 4	43
Automotive aerosol paint field is growing	Jan. 26	85	Oil and paper register optimism - Business benchmarks	Apr. 6	106	Olin Mathieson scotches rumor of exodus from Niagara Falls, N.Y.	Mar. 2	25
British-made naphthenic-type paint drier price cut	Mar. 16-71, Mar. 30	60	Outlook remains bright - Business benchmarks	May 25	184	Research parks lineup grows (table)	June 15	27
Coalescing agent, Dalpad A	Mar. 9	56	Survey gives data on oil and gas firms' share of U.S. chemical output (charts)	Mar. 30	24	Plants		
Cooperative research group helps smaller paintmakers compete with the giants	Feb. 23	123	Pharmaceutical Manufacturers Assn. - Calls for closer cooperation between government and industry	Feb. 2	24	Army puts surplus plants up for lease	May 18	22
Electrostatic paint for nonmetals	Jan. 5	36	Phenol			Government staffers preach modernization in regional rallies	Feb. 16	22
Latex producers look for growth in exterior, industrial films (chart & table)	June 22	67	Clark Oil will use Allied's phenol-from-cumene process	Jan. 19	51	Polarized light stirs new controversy in plant lighting (table)	Feb. 9	41
One-coat latex paints	Mar. 23	36	Market outlook for '63	Mar. 16	78	Plastic Film		
Paint vehicle called Aqua Foli	Apr. 6	101	Prices down, Texas City shelves plans	Feb. 2	57	Carbide sells vinyl film business	Jan. 26	25
Proposal to ban manufacturers from selling at retail has been urged on Congress	May 25	71	Prices of phenol-based products	Feb. 9	77	Heat-developed film focuses on vast data-storage market	June 1	125
Urethane paint vehicle	May 25	44	Phenolics			ICI will market Melinex film in Canada	Feb. 16	58
Water-based linseed oil house paints to make gains in '63	Feb. 23	130	Flexible phenolic resins called Tetratex	Feb. 9	68	Laminated film composed of two dissimilar thermoplastics	May 25	102
Pakistan			Phenolic materials for use in packaging	Jan. 5	42	Packaging triggers film boom (charts & table)	May 11	73
Japanese firms will export plant to East Pakistan for making rayon and cellophane from bamboo	Jan. 12	57	Reichhold adds phenolic molding compounds	June 8	24	Polypropylene film prices	May 8	60
Natural gas pipelines to be extended into northern regions	June 8	26	Phenyldecyl phosphite - Prices	Mar. 30	59	Terephthalic acid route to polyester fibers and films	Mar. 9	58
Panama - product-testing program	May 25	101	Phosphates			Vinyl film products antitrust suit	Apr. 13	27
Paper			Flurry of expansion in Western U. S. and Canada	Apr. 6	27	Plasticizers		
Direct-radiant-heating method for drying paper	June 8	48	Long-chain glassy phosphate	Feb. 23	93	British producers cut phthalate plasticizer prices	Jan. 5	60
Laminate paper called Starlon	Mar. 2	42	Montana's Douglas Mine project will add more phosphate fertilizer to northwest U.S. and western Canada	Jan. 5	22	Hydrocarbon oil plasticizer	Apr. 27	56
Oil and paper register optimism - Business benchmarks	Apr. 6	106	North Carolina phosphate mining feasibility study by Magnet Cove and Smith-Douglass	Feb. 9	24	Nitroplasticizer plant will serve the Navy's Polaris program	Feb. 16	48
Outlook remains bright - Business benchmarks	May 25	184	Phosphate ester surfactants: growing strong (tables)	Feb. 9	71	Nitroplasticizers will give extra zip to fuel for Polaris A-3 missile	Feb. 23	150
U.S. makers expand, look to Europe's growing market (table)	Mar. 2	22	World demand up	Apr. 27	82	Phthalate and adipate plasticizer prices (table)	Apr. 6	89
West Coast kraft mills will sell by-product tall oil	June 15	97				Santicizer 462 plasticizer	June 22	74
						Trimellitic acid esters line	Feb. 16	58

Plastics			Polymers			Spot shortages are developing		
British production in '62	Feb. 16	26	Acrylonitrile and alpha-olefin copolymers	June 29	47	West German industry hurt by severe competition	Mar. 30	59
Clip-on carrying device for six-pack containers	May 25	102	Anionic water-soluble polymer for use as latex system dispersant	Feb. 23	94	World demand up	June 22	62
Construction - PVC seeks best door into construction market	Feb. 9	29	Aqueous polymer dispersion, Rhoplex B-47	May 25	44	Potassium citrate - Prices	Apr. 27	82
Construction survey shows plastics are gaining wide-scale acceptance	June 8	59	Biological polymers field covered by new journal	Feb. 23	110	Potassium metaphosphate - Low-cost process debuts	May 11	69
Demand for plastics in refrigerators and freezers continues to grow	Jan. 12	71	Chlorinated polyethylene polymer improves polyvinyl chloride's impact strength	May 18	63		Feb. 2	45
Eastman sets up plastic sheeting marketing division	June 15	98	Chlorinated polyethylene series	May 9	61	Powder Metallurgy		
Equipment and pipe linings - costs and savings pinpointed	Mar. 23	42	Elastomeric polymers patent swap between Dunlop Rubber and Montecatini	Feb. 9	68	Cobalt powder	Mar. 2	41
Expanded Royaltel, a foamed plastic, will vie with reinforced polyester plastics	May 11	24	Ethylene-propylene copolymers and terpolymers may find place in automotive applications	Jan. 26	86	Powdered metals - report (charts & table)	Mar. 23	83
Flame retardants for plastics and foams are target of volley of research activity	Feb. 23	105	Nitrile polymer, Chemigum N625X	Feb. 2	66	-letters Apr. 13-10, Apr. 20-10	May 4	12
German exports	June 8	26	Research group serves industry with polymer development and know-how	Mar. 16	23	Sponge-iron powder process - Czech report	Mar. 2	58
High-speed testing symposium provides new insight into properties of plastics	June 1	104	Self-cross-linking acrylic copolymers	Mar. 2	42	Power		
Laminated doors and kitchen cabinets	May 18	72	Styrene-acrylic copolymer for floor sealer formulation	June 22	74	Geothermal well in California contains large quantities of minerals	Mar. 16	63
Leather vs. synthetic for shoe-upper market	May 25	51	Polyolefins - Shift to domestic output in polyolefins	Apr. 13	25	Geothermal wells in California - negotiations for chemical recovery rights	June 1	92
Mesh products produced by Rical process	May 25	102				Memphis rejoins TVA power system	Jan. 26	25
Mobil Chemical plans big in plastics	May 25	53				Power supply units	June 29	39
'62 standouts: reinforced plastics - Business benchmarks	Feb. 9	94	Polypropylene	Feb. 16	57	TVA signs new power pacts	Jan. 12	24
Photoluminescent additive, Lunaglo	Apr. 20	84	Carpet lineup grows	Mar. 23	77	"Unipolar" generator sold to Wallinckrodt for continuous production of direct-current power	Feb. 9	68
Production hazards outlined	June 1	42	Dyeable continuous filament, tow and staple made from a Shell resin	Mar. 15	79	Pregnancy - Two-hour test kit	Apr. 27	59
Sales continue to slide - Business benchmarks	Apr. 20	112	Dyeing problem solved	Mar. 16	83	Prices		
Sales fade in the stretch - Business benchmarks	Mar. 16	90	Escon line has four new grades	June 1	122	Antitrusters keep plugging on price fixing (table)	Feb. 23	39
Sales pick up speed - Business benchmarks	June 22	78	Fiber makers push carpet and knitwear sales	June 8	24	Middling profit picture reflects decline in chemical prices (charts)	June 8	21
Sales reverse downtrend - Business benchmarks	May 11	88	Fibers go commercial in hosiery and sweaters	June 22	74	Prices: grounds for optimism? - Business benchmarks	Mar. 2	78
Thermoplastic sheet of extruded ABS polymer	Mar. 9	56	Film capacity boost by Hercules Powder	June 29	57	Quality stabilization bill opposition	June 15	33
United Kingdom usage will double; "Interplas" exhibit opens	Apr. 6	69	Film prices	June 8	60	Trisodium phosphate price fixing complaint - eight firms and MCA sign consent order	Jan. 19	19
Plastisols - Foam vinyl plastisol for stripable packaging	June 22	62	Japanese prices	Mar. 2	61	Trisodium phosphate price fracs reemphasizes illegality of collusive basing-point and zone-delivery prices	Jan. 26	21
	Feb. 23	99	New antioxidants for polypropylene are payoff of plastic stabilizer probe - letter	Mar. 30	51	Printed Circuits - Ammonium persulfate may find use as etchant on boards made with tin-nickel wire	Jan. 26	25
Plating			New contender for carpet sales (charts & table)	Apr. 27	7	Printing - Pressureless printing - new electrostatic printing process	Mar. 23	78
Fume-suppressing chromium plating compound	Jan. 5	36	Patent cross-licensing breakthrough	May 11	73	Promethium-147 - Largest and purest quantity of material ever prepared	May 18	67
Gold-plating by aerosols	Mar. 30	50	Patent issue - Montecatini wins round in Austria	May 15	21	Propellants		
Legislation, economies lead platers to try new solution recovery unit - letter	Mar. 30	43	Patent situation grows increasingly complex (chart)	Jan. 12	32	Air Force discounts reports of propulsion problems with Minuteman	May 11	30
Tin plating process, Alistan 60	Feb. 2	66	Pipe, valves, fittings, pumps are lined with polypropylene	Jan. 19	32	Beryllium-containing solid rocket propellants	May 25	113
Platinum - Sales up in '62	June 1	142	Prices in United Kingdom are tumbling	Mar. 9	72	Computers cut costs of destructive testing for rocket propellant maker	Apr. 27	66
Plywood - Antitrust suit	Mar. 23	24	Prices of polypropylene staple and tow	May 11	70	Esso's solid-rocket propellant contract renewed	Jan. 19	51
Poland			Search for dyeing system pays off in spite of new products (table)	Apr. 13	33	Nitroplasticizers to be used in Navy's Polaris program	Feb. 16	48
Aluminum output up	Jan. 12	57	U.S. firm drops film and fiber imports	Apr. 13	25	Nitroplasticizers will give extra zip to fuel for Polaris A-3 missile	Feb. 23	150
Chemical industry growth plans - slowdown	Feb. 9	37	Polypropylene oxide	May 18	39	Rocket fuel makers jockey for position to be ready when new contracts come through	Jan. 5	17
Expansion boosts sulfur output	June 8	26	Epoxides: new entry in rubber (table)	May 26	69	Solid-fueled booster demonstration contracts	Apr. 27	30
Mineral raw materials outlook is poor	Mar. 2	34	May capture major spot in synthetic rubber field	May 4	55	Space budgets are due for a boost in fiscal '64	Jan. 5	17
Puts chemicals on top (map)	Apr. 13	51	Rubber research			Static testing of large solid-fueled boosters will come in '64	Jan. 26	32
Three-year trade pact with West Germany	Mar. 2	33	Polyethylene			Stepped-up spending powers gains in solid and liquid propellants	Apr. 20	39
Polishes			Dow offers four specially priced resins to meet discount competition	Mar. 16	72	Thiokol bids for share of solid-fueled booster contracts, builds \$10-million propellant plant in Georgia	Jan. 19	24
Buff-and-spray system for polishing floors	June 1	108	Dow tries to clarify price-quality muddle	Mar. 23	101	Propylene - Market forecast by AICE	Mar. 30	68
Floor polish resins	Jan. 5	36	Expandable polystyrene markets may get boost from new line of radio-frequency molding equipment	Apr. 27	71	Propyleneimine - Competes with ethylenimine	June 29	23
Furniture polish for low-gloss surfaces	June 29	39	Japanese company will build plant at Hazlet, Pa.	Mar. 16	20	Proteins		
Polybutadiene			Japanese firm will disclose complete plans on U.S. project within four weeks	Jan. 19	62	Enzyme - hydrolyzed proteins	June 22	73
Can liner resin faces strong new challenge (table)	Feb. 2	62	Japanese government okays Sekisui's U.S. project	Apr. 13	80	Hydrocarbon fermentation research booms	Feb. 2	49
High-cis polybutadiene marketing in Britain	Mar. 23	23	Prices Apr. 13-80, Apr. 20-95	June 1	121	Two protein products for cosmetics use	Apr. 20	84
cis-Polybutadiene makes strong bid for tire market	June 29	58	Resale arrangement between Catalin and Doi terminated	Mar. 9	71	Psychological testing strikes back at critics - letter	Apr. 20	29
Polybutenes - Polyvis SH, new polybutene	Mar. 30	50	Will retain major share of refrigerator and freezer market	Jan. 12	71		June 22	7
Polyesters			Polyvinyl alcohol - Two new partly hydrolyzed grades of PVA	June 22	74	Public relations		
Celanese builds film plant, enters marketing agreement with ICI	June 29	24	Polyvinyl chloride			Drugmakers won't profit from Cuban prisoner ransom contributions - Setting the record straight - Viewpoint	Jan. 26	5
Corfam shoe material is largely polyester fiber	June 15	79	Blow-molding techniques to be adapted to PVC	Apr. 20	96	Grace promotes professional eye care to stockholders	Apr. 27	38
Fiber dyes	Mar. 2	42	Building panel makers turn to distributors to market their products - letter	Feb. 9	29	MCA's Hull discusses public relations budgets-Viewpoint	June 29	5
Fiber prices (table)	June 1	122	Chlorinated polyethylene polymer improves PVC's impact strength	May 18	63	Motion pictures enhance corporate image	June 15	37
Flame-resistant acrylic-modified polyester	Mar. 9	62	Homopolymer PVC resin prices	May 18	71	Olin Mathieson scotches rumor of exodus from Niagara Falls, N.Y.	Mar. 2	25
German polyester fiber patent fracas	Apr. 6	23	Japanese shortage develops	June 8	59	Press relations top agenda at New Jersey meeting	May 18	79
PPG boosts polyester resins capacity	May 25	55	Market outlook brightens (tables)	June 1	131	Take mystery out of chemical terms - Don't dazzle them with words - Viewpoint	May 4	12
Terephthalic acid route offers more direct, possibly cheaper, path to polyesters - letter	Mar. 30	10	Oil-resistant PVC sheet	May 11	48	Publications - New journal covers biological polymers	Feb. 23	110
Tires and textiles brighten polyester fiber outlook (table)	Feb. 9	83	Powdered PVC resin vies with pelletized PVC	June 29	70	Pulp		
Polyethers - Polyether-urethane foam patent - licensing policy and royalty fees set	June 29	47	Prices	May 11	69	Dimethyl sulfoxide (DMSO) pulping process debuts	Jan. 5	52
Polyethylene			Prices of copolymers used in flooring and phonograph records	May 25	151	Fluorolids calcining system recausticizes spent digester liquor	June 1	104
Cable coating resin	Jan. 26	92	Resin prices	June 15	97	New process may improve pulp yields	June 29	47
Chlorinated polyethylene polymer improves polyvinyl chloride's impact strength	May 18	63	Resins and compounds make bid for rigid vinyl applications	Mar. 9	72	U.S. makers expand, look to Europe (table)	Mar. 2	22
Conventional PE prices	Feb. 2	38	Rigid PVC building panel markets will expand	Apr. 13	80	Pulverizers - Vertical impact pulverizer uses product to grind product	June 22	41
Encapsulated cellulose products plant start-up	June 22	50	Potash			Pumps		
Extrusion-grade paper coating resins - prices	Jan. 12	72	Beneficiation method may double reserves at IMC's Carlsbad, N.M., mine	Apr. 20	76	Automatically controlled pump package eliminates process control valves	Feb. 23	149
European marketing of Pol-Em polyethylene emulsions	June 15	98	Big potash rush takes the field (tables) - letter	Mar. 30	21	Centrifugal pump makers revamp lines	Mar. 9	65
High-density PE is being tried for motor oil containers	Apr. 6	90	California geothermal well could support potash production of 370 tons/day	Apr. 27	7	Centrifugal pumps	Apr. 6	102
High-density PE prices	Jan. 5	59	California geothermal wells - negotiations for chemical recovery rights	June 1	92	Cryogenic pump	Mar. 2	41
High-density polyethylene resin	Feb. 9	49	Closure of Kemac Potash Co.'s \$20-million project	Apr. 27	25	Electromagnetic pump for alkali metals	Mar. 16	83
Japanese prices	Mar. 2	61	Deliveries up in first-quarter	June 8	60	High-temperature pump	Jan. 12	43
New markets: missile casings and beer cans	Jan. 12	72	Fertilizers: record crop in view (tables)	Apr. 20	101	Instrument system measures pump performance	June 22	46
Packaging triggers film boom (charts & table)	May 11	73	Solution mining of Saskatchewan potash moves closer to reality	Feb. 9	67			
Polyethylene-lined drum launched (table)	Jan. 19	35	Solution mining project in Saskatchewan - contract awarded	May 4	17			
Polymeric family is essentially chlorinated polyethylene	Mar. 9	61						
Powdered PE faces bright future	Mar. 16	71						
Resins for extrusion-coated paperboard - market forecast	Apr. 27	72						
Polyformaldehyde - Patent dispute ends	May 11	19						
Polymerization - National Lead shows off commercial plant for in-situ polymerization of ethylene on cellulose fibers	June 29	43						

Lubrication pump	May	1	47
Melting pumps	Feb. 24	26	
Pump cart for oil and chemical spills	May	18	47
Test pits offer fast pump check	May	4	23
Purchasing - Equipment purchasing is speeded by contractor's new paperwork plan	Feb. 16	51	
Pyrethrum - Demand is rising but world politics cloud supply outlook (map)	May	18	50
Pyromellitic acid - Outlook	Feb. 23	129	

R

Radiation			
FDA approves radiation-purified bacon	Mar.	2	52
GE sets up irradiation services section	Feb.	23	110
Labor supports "threshold" radiation protection	May	11	84
Labor unions demand stricter safety measures	Mar.	23	107
Plant to process irradiated fuel elements from nuclear reactors is a step nearer reality	Apr.	20	38
Radioactivity			
Carbon-14 radioactive gases	Apr.	27	55
First state-owned radioactive waste burial ground to be built in Kentucky	Jan.	19	19
Radiochemicals - Carbon-14-tagged chemicals	Mar.	23	35
Radioisotopes			
Cobalt-58 isotope	Mar.	9	55
Highly purified promethium-147	May	18	67
New processes using isotopes add impetus to market - letter	Feb.	9	7
Railroads			
Air-handled bulk shipping gains new adherents	Mar.	23	27
Freight rate increase is in effect	June	29	28
Kennedy exerts pressure to avert strike	June	29	27
Labor dispute - Kennedy extends deadline	June	22	18
Sinking rail rates augur shift in chemical shipping patterns (table)	June	22	21
Rare Earths - Toluene and xylene solutions of rare-earth materials for work with lasers	Apr.	6	101
Rayon			
Imports up, no major expansions in sight	June	22	61
Prices of rayon staple fiber	Apr.	13	79
Razor Blades - Stainless steel razor blades are fluorocarbon-coated	Apr.	27	59
Reactors			
Atomic power costs are lowest yet in new Canadian reactor proposal (charts)	June	8	33
Canadian company considers 405 megawatt units	Apr.	27	60
Combination pipeline-reactor envisioned	Apr.	27	59
India and U.S. are close to agreement on nuclear power reactor	Mar.	23	40
Solution of corrosion problems clears way for organic-cooled nuclear reactors (table)	Apr.	20	69
Rectifiers			
Silicon rectifiers	May	11	47
Transformer-rectifier unit called Rectiformer	Mar.	16	83
Refining			
Catalyst cleaning process, Met-X - separation process is key	Apr.	20	74
Cuban refineries are in serious trouble	Feb.	9	27
Hydrocracking process gets first taker	June	29	48
Refining - Autothermal, or adiabatic, process draws U.S. interest	Mar.	30	49
Refrigerants - Fluorocarbon refrigerant markets are in turmoil	May	4	63
Refrigeration			
Nitrogen-freezing food system, Cryo-Guard	Jan.	12	61
Underground freezing technique will be used in gas storage cavern	Mar.	2	55
Research			
Air Force research revamp	Mar.	23	72
Alpha-olefins set sights on variety of markets (table)	Mar.	23	69
American cockroach sex lure pinpointed by USDA	Jan.	12	61
Biochemical fuel cell research (table)	June	29	41
Biological sciences get new push in U.S. and U.S.S.R.	Feb.	23	110
Chemicals-wood research agreement between Dow and Weyerhaeuser	Feb.	9	62
Cold vaccine research by five British organizations	Mar.	16	64
Drug industry R&D feels first impact of new government controls	June	22	53
Elastomers: two new products debut	Mar.	9	77
Epoxides: new entry in rubber (table)	May	18	39
Esso Research plans closer ties between research and corporate policy	Mar.	9	78
Federal funds for research projects - "misuse" case may lead to better accounting of funds	Feb.	2	31
Fermentation processes feed on low-cost petroleum raw materials (tables)	Feb.	2	49
Flame retardants for plastics and foams are target of volley of research activity	Feb.	23	105
Fluoroketones: family of new chemicals bids for jobs	Mar.	2	47
Forecast for next five years: fast growth (chart)	Apr.	20	25
Government moves to free research results to industry (table)	May	25	57

Government pushes for bigger water-research programs	Mar.	2	27
Grace will quadruple government research effort	Feb.	9	68
High-altitude flight research	Mar.	23	39
Houston scientific and technical information center planned	Mar.	16	64
Insecticide researchers seek new "nonbiotic" controls	Feb.	9	55
Irradiation services section set up by GE	Feb.	23	110
Marketing calls the tune - Viewpoint	Feb.	23	5
Minnesota - luring new labs to the Twin Cities (table & map)	May	4	43
Monsanto separates research and engineering functions	June	8	48
Natural resources - Kennedy recommends new emphasis on research	Jan.	19	30
Nonprofit lab licenses Prolin rodenticide to two firms	Jan.	5	42
Nonprofit research foundation and FMC establish glass technology laboratory - letter	Jan.	5	41
Nonprofit research institute organized in Minneapolis	Feb.	23	100
North Carolina plans Board of Science & Technology; Wisconsin considers research park	May	25	64
Ontario Research Community under construction	Feb.	2	53
Paintmakers by cooperative research	Feb.	23	123
Personnel shortages pinpointed by survey	Jan.	26	77
Polypropylene boom spurs research on plastic stabilizers	Mar.	30	51
Polypropylene dye research leads to spate of new products (table)	Apr.	13	33
Pregnancy test kit	Apr.	27	59
Research and development outlays for '63	Feb.	9	28
Research parks offer special concessions to attract customers (table)	June	15	27
Resins research group serves industry with development and know-how	Mar.	16	23
Rocket propellant research gets push from new self-sufficing solid motors	Apr.	20	39
Scientists revive dormant microbiological specimens from tomb in Guatemala	Apr.	6	69
Semiconductors - new compounds broaden markets (table)	Jan.	12	47
Small research and development business failures due to lack of business orientation	June	29	28
Smith, Kline & French research expenditures	Apr.	6	69
Solid-state data center	Mar.	9	84
Struthers Scientific International puts premium on flexibility	Feb.	23	135
Superconducting magnet race resumes	June	22	56
A target for cost cutting - Viewpoint	Mar.	2	5
Tax break for spending on research and development is considered by White House	Jan.	12	27
"Technological obsolescence" of scientists and engineers threatens CPI (chart)	Mar.	2	66
Textiles research, federal aid proposal	Jan.	5	5
Sparks self-help in textiles - Viewpoint	June	1	125
Thermal films focus on vast data storage market	June	1	125
Thermosetting resins research spawns new family of monomers	Jan.	5	42
Too much government R&D? - Speech by Samuel Lenher - Viewpoint	Mar.	30	5
Trachoma vaccine clinical trials - results of Navy tests	Jan.	5	46
Ultrasonics research agreement	Feb.	23	114
Ultraviolet light sources research	Mar.	9	82
University officials asks industry to take strings off research grants	June	22	24
Wash and wear properties achieved with new cross-linking agent	May	18	46
Washington, D.C. may become major science center	Apr.	20	37
Water resources research bill passed by Senate, heads for trouble in House	May	4	26
Water-soluble gum developed by USDA	Mar.	9	84
Wisconsin's proposed state research institute for industry - opposition	Feb.	9	62
Wircos shifts to the offensive via central research lab	Apr.	13	26
World's most powerful continuous beam of light	May	25	66
Resins			
Alkylated hydrocarbon polymers	Apr.	27	71
Bakelite vinyl coating resin called VAGD	June	22	74
Can-lining business: high-priority target for profit-minded resin research (table) - letter	Feb.	2	62
Dow offers four specially priced polystyrene resins	Mar.	16	72
Epoxy resin curing agent	Jan.	26	92
Flexible epoxies called Isochemer	June	29	39
Flexible phenolics called Tetraflex	Feb.	9	68
Floor polish resins	Jan.	5	36
Flame promoter for laminating resins	Apr.	27	55
Fluorocarbon resins outlook brightens (chart)	Feb.	2	59
High-density polyethylene resin	Feb.	9	49
Nylon molding resin prices	Mar.	30	60
Polyethylene paper coating resins - prices	Jan.	12	72
Polyethylene resins for extrusion-coated paperboard - market forecast	Apr.	27	72
Polyethylene resins for high-speed extrusion coatings	Feb.	23	94
Polyethylene wire and cable coating resin	Jan.	26	92
Polyformaldehyde patent dispute ends	May	11	19
Polypropylene dye research pays off in spate of new products (table)	Apr.	13	33
Polyvinyl alcohol resins	June	22	74
PVC resins and compounds bid for rigid vinyl applications	Mar.	9	72
Powdered polyvinyl chloride resins marketing push	June	29	70
Printing ink resin, Polymid 1144	Apr.	6	101

Self-cross-linking resins called X-Links	Mar.	2	42
Silicone resins improve semiconductor performance	June	1	108
Specialty blending resin, Plivoc M90, for use in plastisols	May	25	114
Synthetic resin remover, Polysol	June	15	52
Synthetic resins: forecast to year 2000 (table)	Apr.	6	26
Thermoplastic resins called Meldin Resins	Apr.	6	102
Thermosetting resins research spawns new family of monomers	Jan.	5	42
Urethane resins for use in protective coatings	May	11	48
Vinyl acrylic resin	Apr.	6	101
Vinyl coating resin, Elvax 260	Mar.	2	42
Vinyl resin prices	June	15	97
Resorcinol - prices	June	1	121
Respirators - Dust respirator	June	1	107
Ribonuclease - Partial laboratory synthesis has been achieved	Mar.	30	50
Rice - New process converts rice hulls into feed and fertilizer called Delrix	June	15	83
Rivets - Self-sealing rivet	June	15	80
Rockets			
Boron fiber for use in winding experimental rocket cases	Mar.	16	63
Centaur may use ozone difluoride as igniter	June	22	49
Fuel makers jockey for position to be ready when new contracts come through	Jan.	5	17
NASA will conduct conference on future space program plans	Jan.	26	32
Project Rover delay	Mar.	30	27
Propellant research gets push from new self-snuffing solid motors	Apr.	20	39
Scientists snuff out 4-in. rocket motor burning highly aluminized propellant	Apr.	6	69
Solid-fueled booster demonstration contracts Thiokol builds \$20-million solid-rocket-fuel research center in Georgia	Apr.	27	30
Walk, don't run to the moon - Viewpoint	Jan.	19	24
Rodenticides - Prolin rodenticide licensing agreements	June	8	5
Rubber			
Acrylic rubber, called Cymacryl, and new urethane elastomer bid for share of specialty rubber pot	Mar.	9	77
Acrylonitrile rubbers, Chemigum N300 and Chemigum N615; polybutadiene elastomer, Plioflex 5000	Jan.	5	36
Army switches from synthetic to natural rubber in military tires	Jan.	26	32
Auto pace livens rubber sales - Business benchmarks	June	8	78
Canada's Polymer Corp. zeroes in on U.S. rubber market	June	22	31
Consumption runs ahead of forecasts - Business benchmarks	Apr.	27	88
Controlled-structure styrene-butadiene rubber, Solprene X-40	Apr.	6	69
Depolymerized rubber for gasket applications	Mar.	23	36
Epoxides: new entry in rubber (table)	May	18	39
Ethylene-propylene copolymers and terpolymers may find place in automotive applications	Jan.	26	86
Ethylene-propylene terpolymers - cyclooctadiene is latest candidate for third monomer	May	18	63
Flame retardant, Dechlorane, for ethylene-propylene rubber	Feb.	16	48
High-cis polybutadiene rubber marketing in Britain	Mar.	23	23
Labor negotiations emphasize job security	Feb.	9	18
New synthetic rubbers remodel tire markets (charts & table)	June	15	103
Organic peroxide cross-linking agents for vulcanizing rubber	Apr.	13	69
Outlook for '63, according to J.W. Keener	Jan.	5	63
cis-Polybutadiene makes strong bid for tire market	June	29	58
Polypropylene oxide rubber may capture major spot among synthetics	Jan.	26	69
Polypropylene oxide rubber research	May	4	55
Room-temperature-vulcanizing silicone rubbers	Apr.	27	55
Rubber-processing chemicals market in '62	June	1	142
Silicone rubber for encapsulating motors	May	11	48
Stereo rubber know-how licensed to Japanese firm	May	18	67
Rumors			
Man-made fibers production	June	15	61
Soda ash plant to be built by German firm	May	18	37
Russia			
Ammonia plant put on partial computer control	May	25	95
Baybakov, Nikolai - new head of chemical effort	May	18	29
Biological sciences expansion program	May	23	110
Boosts production of "big inch" pipe in preparation for NATO embargo	May	4	38
Chemical industry fails to fulfill its plan	Feb.	23	48
Chemical planners set sights on 17-fold growth from '60 to '80	June	22	24
Construction planners to make new list of priority projects for seven-year plan	June	22	37
Eastern European bloc (Comecon) - chemical industry development plans	Mar.	2	34
Foreign forecast - report (charts)	Jan.	19	66
Polyethylene expansion plans	Feb.	23	36
Reportedly negotiation with Japanese chemical company for acrylic fiber manufacturing equipment	Jan.	26	53
Shakeup for lagging chemical industry - Nikolai Baybakov will head industry committee	Mar.	23	25
Shipping in West for plants and equipment	Apr.	27	82
Rust - Rust remover, Corrolor Rust Remover	Jan.	5	36

S

Safety

Be prepared for disaster - Viewpoint	Mar.	9	5
Chlorine safety campaign launched, novel emergency kits offered	Jan.	5	73
Fireproof centrifugal compressor is water-lubricated	Jan.	12	64
Labor supports "threshold" radiation protection	May	11	84
Labor unions demand stricter radiation safety measures	Mar.	23	107
Lightweight protective clothing	Apr.	20	81
MCA figures on '62 safety record	Mar.	30	50
Management puts spotlight on spillage	June	8	71
National Safety Council plans revisions of rulings for counting injuries	May	25	172
New Jersey court ruling on accident reporting could be costly	Mar.	30	35
Noise is growing concern in plant safety programs	Feb.	2	27
Nuclear Safety Information Center established	June	22	46
Plastics hazards	June	1	42
Study probes effectiveness of safety leaflets, posters and films	Apr.	6	85
Salt - Dry acid salt, Actane 82, for treatment of die castings prior to plating	June	1	108

Samplers

Air sampler	Jan.	19	65
Gas sampler, Auto-Scanner	June	29	39
Screws - Tubing set screw	May	25	43
Scrubbers - Fume scrubbers	June	22	73
Sealants - Building Sealant 780 to be handled by distributor	May	11	70
Sealers - Styrene-acrylic copolymer for floor sealer formulation	June	22	74
Seals - Metallic ring seals	Mar.	23	35
Selenium - Prices	Mar.	2	62

Selling

Airlock moves to recoup top sales spot	Mar.	9	42
American Marketing Assn. forms Chemical and Allied Industries Section	June	8	60
Automotive specialty chemical product sales down	May	25	151
Barbers aim for bigger cut of men's toilet-tries market	Feb.	16	42
Bleach brightens chlorinated cyanurate market outlook	Mar.	2	63
British producer of perfuming compounds moves into open market	May	25	99
Can-lining business: rugged new resins may revive rough-and-tumble (table)	Feb.	2	62
Carbon dioxide propellants marketing agreement	May	18	49
Chrysler opens drive for industrial specialties sales outside auto field (table)	Mar.	9	39
Consumer testing group will issue "Seal of Quality"	Feb.	2	64
Door-to-door selling of household cleaning agents and swimming-pool products	Feb.	16	45
Drug firm aims for higher earnings by boosting direct sales	Jan.	19	26
Drug industry sales and earnings: both up in '62 (table)	Apr.	20	21
Drug industry's marketing patterns are changing	Mar.	30	31
Drugmakers report sales and earnings	Apr.	27	24
Drugs - North Dakota curbs discounters	Apr.	27	34
European compressor valve specialist seeks U.S. sales	Feb.	16	71
GAF sale	Jan.	19	30
Delay reported	Feb.	23	35
Keating and Katzenbach confer	Mar.	2	27
Negotiated settlement may be in the making	Mar.	9	25
Settlement	Mar.	16	19
Criticism of settlement	Mar.	23	22
Timetable for sale	Apr.	6	18
Interhandel approves deal	Feb.	23	121
Garden chemicals newcomer: Heritage House	Jan.	26	26
GAF chalks up new sales and earnings gains	Jan.	26	25
Grace reports on sales and earnings	Mar.	23	17
Hercules heads for harder sell under Henry A. Thouron	Jan.	26	26
Kawachi Chemical charts new marketing maneuvers	June	15	25
Kelly Girl Service launches program to supply temporary personnel for sales campaigns	Mar.	23	64
Lawn-care service ties in with fuel oil dealers to buck do-it-yourself trend	Apr.	27	47
Listening courses: new approach to selling - letter	Jan.	2	26
Marketing calls the tune - Viewpoint	Feb.	2	10
Motion pictures boost CPI sales	Feb.	23	5
Nylon-6 fiber promotion by Allied	June	15	37
Olin charged with concealing kickbacks in drug sales involving U.S. foreign aid funds	June	8	55
Paint group backs proposal to ban manufacturers from selling at retail	Mar.	16	36
Panama launches product-testing program	May	25	71
Pesticides - report Oscar Johnson & others (charts & tables)	May	25	101
Pl. 1. Insecticides, miticides, nematocides, rodenticides	May	25	117
Pl. 2. Fungicides and herbicides	June	1	55
Pharmaceutical industry sales forecast	Mar.	9	28
Phosphate ester surfactants: growing strong (tables)	Feb.	9	71
Photocopying - pay-as-you-copy plan initiated	Feb.	2	64
Polyvinyl chloride building panel makers seek best door into construction market	Feb.	9	29
Powdered polyvinyl chloride resin vies with			

pelletized PVC	June	29	70
Printing ink sales roll up records	Apr.	20	59
Proctor & Gamble makes its pitch in Europe (table)	Mar.	30	70
Product development teams offered by West Coast distributor	June	29	68
Product managers take on bigger role in corporate planning (table)	Apr.	20	87
Profitability plateau reported in FTC-SEC survey	Apr.	20	24
Protein rodenticide to be sold by Prentiss and Fenick	Jan.	5	42
Pyrethrum insecticides: emotional push is tied to "Silent Spring" pamphlet (map)	May	18	50
Regional sales managers head profit centers, win bigger voice in corporate policy	Mar.	2	73
Sales and earnings - fast start on '63 track	Mar.	16	21
Sales and earnings - financial trends for '62 companies (table)	Apr.	6	24
Sales and earnings - new peaks in '62 (table)	Feb.	2	21
Sales and earnings - profits won't keep pace (charts & table)	May	4	21
Sales and earnings - roundup of '62 reports (table)	Mar.	9	21
Sales - outlook for CPI to '66	Apr.	27	22
Soap and syndet sales set another record	Feb.	23	130
Soap and synthetic detergent sales rise again	June	22	70
Sodium carbonate in hollow, porous-shell particles - sales campaign	June	8	56
Spanish-speaking buyers - target for specialties marketers (table)	May	11	62
Specialties - one-stop stores shape future of specialties sales	June	1	7
Stein, Hall moves from commodities to chemicals	May	4	58
Swapping gains favor among fertilizer companies	Jan.	5	65
Swimming pool business is in the ascendancy again	Apr.	6	73
Swimming pool market heads for more growth in '63 (table)	May	25	104
Synthetic fibers roll up rug sales (charts)	Feb.	9	75
A target for cost cutting - Viewpoint	June	29	61
Tobacco process seller	Mar.	2	5
Toilet good sales over \$2 billion mark	Feb.	2	64
Touring engineers will sell corrosion control systems	Apr.	27	50
U.S. Rubber joins billion-dollar sales circle	Mar.	30	44
West Virginia Pulp and Paper boosts chemical sales 15%	Jan.	26	18
Jan.	5	24	
Semiconductors			
H610 process-control computer systems are first to use silicon semiconductors	Jan.	26	91
Lopx silicon crystals are suitable for all semiconductor uses	June	8	47
New compounds broaden markets for semiconductors (table)	Jan.	12	47
New lift for semiconductors: large silicon crystals, silicon carbide for electronic use	Feb.	9	76
Separation			
Freeze-concentration processes bid for new chemical separation jobs (table)	June	1	97
Molecular sieves score big gains in hydrocarbon separation jobs (chart)	Jan.	26	37
Novel process uses electrical field to break oil-water colloidal suspensions	Apr.	20	72
Separators - Magnetic separator	Apr.	27	56
Sewage treatment			
Detergent biodegradability - new firm evaluates formulations	Apr.	27	49
Pasteurization process treats sewage effluent to make it potable	May	4	56
Plant to remove alkyl benzene sulfonate from sewage moves closer to reality	Jan.	19	51
Stanford University study points way to reclaiming water from sewage effluent	Apr.	27	68
Shale oil - Interior Dept. weighs oil shale bids	Apr.	13	69
Shampoo - Druid surfactant for use in shampoo	June	8	64
Shaving Creams - Aerosol shaving cream patent suit settled	Mar.	23	24
Shelac - India loses share of U.S. market to Thailand	May	4	38
Shipping			
Air-handled bulk shipping gains new adherents	Mar.	23	27
Airline rates for monkeys rejected by CAB	Mar.	22	30
Arkansas River basin development program	Feb.	16	23
Barge-rail rate dispute - Supreme Court ruling	Apr.	20	18
Bulk commodity definition will not be changed	June	8	29
Bulk commodity rate exemption sought for alumina	Feb.	16	30
Bulk handling gets boost from two new rail tank cars	Apr.	13	73
CPI comments on controversial transportation bill	Apr.	13	74
Fishyback" ships set trend in water transport	Jan.	26	94
"Gray area" trucking practices attacked	Mar.	16	85
Gulf Coast waterway expansion program opens new areas to low cost water transport (map)	May	4	75
ICC considers tighter regulations covering construction of tanks used to transport dangerous liquids and gases	May	15	7
ICC considers tighter safety rules for trucks hauling dangerous products	Feb.	16	30
Ice and floods disrupt shipping in upper Ohio River Valley	June	1	53
Ice slows chemical movements along Mississippi	Mar.	23	23
Feb.	23	130	

Labor disputes - battle over compulsory arbitration bill leads to plan to lift ban on U.S. use of foreign-built ships	June	8	57
Longshoremen strike legacy	Feb.	2	22
Longshoremen strike takes chemical toll	Jan.	5	21
Longshoremen's strike - impact on chemical shippers has varied	Jan.	12	72
Molten sulfur will soon be in transatlantic European trade	Mar.	2	75
Nuclear-powered ocean-going fleet in sight	May	18	82
Ohio River flood conditions are improving	Mar.	30	59
Polyethylene-lined nonreturnable drums launched (table)	Jan.	19	35
Railroads win round in efforts to bring piggyback rates down to near level of fishyback rates	Apr.	27	29
Rate increases threaten shippers (table)	Mar.	9	23
Steamship companies propose dual rate system	June	8	29
Sulfur shipments to be made by Mexican vessels	Mar.	30	28
TVA improves Hiwassee River	Jan.	19	38
TVA waterways extended	Jan.	12	24
Tanker Marine Sulphur Queen - Congressional bill to help offset loss	Mar.	16	27
Tanker Marine Sulphur Queen litigation	Feb.	23	36
Tanker Marine Sulphur Queen loss shakes sulfur trade	Feb.	23	89
Tanker Marine Sulphur Queen lost at sea	Mar.	16	12
Transportation policy undergoes major upheaval that may result in lower costs, heavier railroad use by CPI (table)	Feb.	16	58
Transportation program back before Congress	June	22	21
Transportation program - Congress works out compromise	Jan. 26-31	Mar.	16
Transportation proposals - shippers campaign for new policy	May	11	29
Truck transportation rules may be changed	May	18	25
Weather plays hob with U.S. and European CPI	Jan.	5	31
Feb.	2	25	
Shoes			
Corfam polyester fiber shoes	June	15	79
Synthetic vs. leather for shoe-upper market	May	25	51
Silica			
Pure silicas	June	15	51
Quartz-derived silicas include purest forms available	June	15	51
Silica gel			
Microspheroidal silica gel	Apr.	6	101
Pellets for use as packaging desiccant	May	11	48
Porcelain enamel additive	Apr.	27	56
Silicon			
Float zone-refining process yields single-crystal silicon slices of larger diameter	Feb.	2	42
New lift for semiconductors: large silicon crystals, silicon carbide for electronic use	Feb.	9	76
New process makes high-purity silicon called Lopx	June	8	47
Prices	Apr.	13	79
Silicon carbide - Semiconductor-grade silicon carbide process	Feb.	9	76
Silicones			
Antifoam agents for food and industrial use	Mar.	23	66
Dielectric coolant for aerospace electronic coolant applications	Jan.	12	43
Heat-shrink compound	Feb.	23	94
Packaging industry's target of new silicone release coatings	Jan.	5	64
Resins improve semiconductor performance. Room-temperature-vulcanizing silicone rubbers	June	1	108
Silicone rubber, Silastic 950U	Apr.	27	55
May	11	48	
Silver			
Compromise legislation may be in the making	Feb.	9	27
Legislation gets favorable reception at Congressional hearings	Mar.	23	40
Legislation works its way through Congress	Apr.	13	30
New law will balance supply-demand situation	June	15	33
Production up in '62	Feb.	2	61
Silimicides - Biocides for slime control	Apr.	6	101
Small Business Administration - Simpson, William, discusses plant modernization	Feb.	16	22
Soap			
P&G makes its pitch in Europe (table)	Mar.	30	70
Plastic surgical soap	Mar.	2	42
Sales hit new first-quarter high	June	22	70
Sales set another record	Feb.	23	130
Soda ash			
Marketing battle looms as Western producers invade East (table & map)	Feb.	16	61
Patent battle looms	May 11-20	May	18
Sodium - Low-pressure metallic sodium process from Russia	Mar.	2	57
Sodium alkane sulfonate - New biodegradable detergent	June	15	80
Sodium bisulfate - Prices	Mar.	16	72
Sodium carbonate - Flozan, new hollow, porous-shell particles for specialty use	June	8	56
Sodium chloride			
Freight rates cut in Southern states	Jan.	26	86
Penn-Olin: facts vs. theory - Viewpoint	May	11	5
- letter	June	15	5
Penn-Olin venture okayed by federal judge	May	11	21
Sodium citrate - Prices	May	11	69
Sodium gluconate - U.S. producer seeks assistance under Trade Adjustment Assistance Provision	June	8	29
Sodium hexametaphosphate - Growing use in water treatment spurs new plant construction	June	22	61
Sodium propionate - Prices	Mar. 9-71	June	1
Sodium silicofluoride - Prices	Mar.	16	72

Sodium sulfide - Prices	Mar.	9	72	Sulfur				Sen. Douglas will sponsor amendment to give the President authority to reduce tariffs by 100%	Apr.	27	30	
Solar Energy - Thin-film deposition technique makes solar cells	June	22	50	Detergent makers eye direct-sulfonation processes	June	29	51	Stainless steel imports flood U.S. market because of loophole in tariff schedules	Feb.	23	62	
Space-trade				Marine Sulphur Queen - Congress introduces bill to help Texas Gulf Sulphur offset loss	Mar.	16	27	Symington, Stuart, urges go-slow approach to cutting tariffs on chemical imports	June	22	29	
Trade secrets case - decision near	Apr.	27	38	Marine Sulphur Queen loss shakes sulfur trade - letter	Feb.	23	89	Tariff cuts are coming within three years	Mar.	23	24	
Trade secrets case - Goodrich is victor	June	1	30	Marine Sulphur Queen loss - Texas Gulf Sulphur will use Mexican vessels for shipments	Mar.	16	12	Trade Adjustment Assistance Provision to be tested by sodium gluconate producer	June	8	29	
Solvents				Marine Sulphur Queen lost at sea	Mar.	30	28	U.S. chemical traders gird for upcoming GATT and UN tariff talks, U.S. commodity reclassification (table)	Jan.	12	21	
Chlorinated solvent market outlook: bright (charts)	Jan.	5	61	Mexican sulfur producers did relatively well in '62	Feb.	16	58	U.S. distillers seek restoration of duty on Canadian whiskeys	Mar.	9	28	
Darco Filter Blend keeps solvent clean	Jan.	26	92	Molten sulfur will soon be in transatlantic European trade	Mar.	23	18	Vanillin makers lose bid for tariff relief	Apr.	27	72	
Fluorocarbon solvent prices	May	11	69	Price drop in world trade may be on the way	Mar.	2	75	Taxation				
Sonics - Sonic generators tackle new chemical processing jobs	Jan.	19	31	Texas producers get tax break	Feb.	2	57	Commerce Dept. surveys use of new depreciation guidelines	Apr.	13	29	
Soybean oil - Prices	Feb.	2	57	Texas sulfur tax cut proposed	Apr.	13	20	Consulting engineers may get tax break	June	1	53	
Space Research - Biological fuel cells charge up for aerospace applications (table)	June	29	41	U.S. and Canada discuss imports	Feb.	2	57	Depletion allowance hearings - industry will voice opposition to changes	Mar.	16	19	
Spain				U.S. industry holds world lead (charts)	June	29	18	Depletion allowance proposals	Feb.	2	31	
Antimonopoly law	May	11	28	World production up	Mar.	23	98	Depletion allowance proposals shock oil and gas industry	Feb.	2	17	
Bids for station on trans-Mediterranean gas pipeline to bolster strength in petrochemicals; establishes new industrial investment bank	Mar.	9	34	Sulfuric acid				Depletion allowance ruling in ground water case	Feb.	2	22	
Foreign capital investment limits withdrawn for projects in plastics and resins	May	4	38	British production reaches new peak	June	1	32	Depletion proposals - House Ways and Means Committee decides to go along with Administration part-way	June	29	17	
Naphtha-cracking project - engineering contractor bids	June	15	18	Dry sulfuric absorbed in Micro-Cel E used in an oil well drilling mud	Jan.	12	61	Depletion reforms rejected by House Ways and Means Committee	June	15	17	
Petrochemical and fertilizer projects - minimum required capacities announced	Apr.	6	51	Prices	May	4	63	Depreciation allowances study by AEF	Jan.	12	17	
Petrochemicals project gets foreign backing	Apr.	27	18	Superconductors				Depreciation revision and new tax credit give business a \$2-billion/year tax saving	June	22	29	
Spanish-speaking buyers - target for specialties marketers (table)	May	11	62	Columbium-zirconium alloy in four different compositions	Mar.	9	55	Excise tax cut talks toned down	Feb.	23	62	
- letters	June 1-7,			Cryopak compact, superconducting magnet system	Mar.	23	78	Expense accounts - final rules are in effect	Jan.	5	32	
Spectrophotometers - Atomic absorption spectrophotometer suitable for process control analysis	June 29	7		Magnet resume resumes	June	22	56	Expense-account rulings to go into effect without any major changes	May	25	72	
Spheres - Glass spheres for use as reflectorized road signs	Mar.	9	70	Magnetohydrodynamic generator has been coupled with a superconducting magnet	Jan.	19	52	Florida considers severance taxes on phosphate and wood pulp	Apr.	13	42	
Spillage - CPI puts spotlight on spillage	June	15	52	Niobium-zirconium magnet provides room-temperature magnetic field	Jan.	5	45	Government urges industry to modernize plants using new tax benefits	Feb.	16	22	
Stabilizers				35,180-ft. superconducting wire of columbium and zirconium	Apr.	6	69	IRS removes AATCC from scientific listing	Mar.	23	112	
Beer stabilization product	Feb.	9	50	200-lb. superconducting magnet system requires almost no power input	Mar.	23	78	Kennedy will specify tax reductions he wants in January messages	Jan.	12	27	
FDA approves Polygard stabilizer used in rubber and plastics for applications involving contact with food	Mar.	9	61	Surface-active Agents				Needed: plain talk on taxes - Viewpoint	Mar.	23	5	
Polypropylene boom spurs research on plastic stabilizers	Mar.	30	51	Abex line for floor waxes, paper coatings etc.	June	8	64	1962 sales and earnings hit new peaks with minor help from new tax rules (table)	Feb.	2	21	
Vinyl stabilizers	Feb.	2	66	Amine oxide surfactant	Feb.	9	49	Pentagon to decide whether Long amendment applies to defense contracts	Apr.	13	29	
Stanford University - Dept. of Chemistry - William Johnson seeks industry to take strings off university research grants	June	22	24	Anionic surfactants, Larysol	Jan.	12	43	Research and development speeding tax break considered	Jan.	12	27	
Starches				Avirol and Standapol series of SCP surfactants	Apr.	13	91	Steel price increases may hurt tax-cut plans	Apr.	27	30	
Amylose starch, Amylon VII	May	11	47	Cationic surfactants, Monazolines	Jan.	12	43	Tax credit reform gets industry vote as way to hypo plant investment (table)	Apr.	27	36	
Cationic starch	Feb.	23	94	Colin-op surfactant, Super-Stat 100	Jan.	19	65	Tax cut drive threatened by demands for tax reform	Jan.	5	31	
Steel				Druil line of shampoo raw materials	June	8	64	Tax-cut proposal - outline is before Congress	Jan.	19	29	
General price increase can be ruled out for	Apr.	20	17	Nonionic surface-active agent called Zonyl	June	9	56	Tax cut proposals - effect of business rise	May	4	25	
German firm develops tough new nitrogen-containing steel	Feb.	23	156	Phosphate esters; growing strong (table)	Feb.	9	71	Tax cuts discussed at Business Council meeting	May	18	17	
Good news in copper and steel - Business benchmarks	Jan.	5	76	Phosphated ester surfactants called Rozak	Apr.	20	84	Tax cuts supported by Business Council	May	25	72	
Labor negotiations may be reopened	June	1	23	Zonyl, potent new surface-active agent	Mar.	9	61	Tax-reduction fever runs high in Congress and CPI (table)	Jan.	19	23	
Labor settlement	June	29	17	Sweeteners				Tax reform proposals - Congressional opposition	Feb.	2	31	
Modernization and relocation plans presage big chemical market changes (charts & map)	May	4	19	Cyclamate sweeteners piracy case	Mar.	9	18	Texas' "dedicated reserves" tax on natural gas is unconstitutional	Mar.	2	18	
Oxygen lancing discontinued by steel firm	Apr.	20	74	New dietetic drinks could boost demand for synthetic sweeteners	Feb.	16	57	Texas sulfur producers get tax break	Apr.	13	20	
Price increases may hurt tax-cut plans	Apr.	27	30	Swimming pools				Technetium - New method separates compound from spent nuclear reactor fuels	Apr.	6	70	
Primary metals buildup in Southwest (map)	Mar.	2	24	Algicide, Algimaster W-50, available for repackaging under private label	Apr.	27	52	Teflon				
Stainless steel imports flood U.S. market	Feb.	23	62	Chlorinated cyanurates gain favor in swimming-pool market	Mar.	2	63	Bonding kits	Jan. 1965,	June	29	39
Steel makes up for slow '63 start - Business benchmarks	June	15	114	Makers broaden their product lists (table)	Feb.	9	75	Filter cloth	Jan.	5	35	
Steel runs strong, copper weak - Business benchmarks	Mar.	23	118	New pool construction report	May	25	104	Flexible, microporous Teflon in developmental stage	June	29	48	
200 Series stainless steel cuts equipment costs 20%	May	11	38	Tanks				Television - Acrilan acrylic fiber maker sponsors two spectaculars	Jan.	19	37	
Sterilization				Government seeks to recover costs for raising liquid chlorine tanks from Mississippi River	Jan.	19	26	Temperature control	May	11	47	
American cockroach sex lure pinpointed	Jan.	12	61	ICC considers tighter regulations covering construction of tanks used to transport dangerous liquids and gases	Feb.	16	30	Tennessee Valley Authority				
Researchers spotlight safe insect control: sex-lure chemosterilants	Feb.	9	55	Marine Sulphur Queen - Congress introduces bill to offset loss	Mar.	16	27	Hiwassee River project	Jan.	19	38	
- letters	Feb. 23-7,			Marine Sulphur Queen litigation	Feb.	23	36	Memphis rejoins TVA power system	Jan.	26	25	
Stockpiles				Marine Sulphur Queen loss shakes sulfur trade - letter	Feb.	23	89	Nitric acid plant builder chosen	Feb.	9	24	
AEC must find market for lithium stockpile	Apr.	13	30	Marine Sulphur Queen - Texas Gulf Sulphur will use Mexican vessels for shipments	Feb.	16	12	Signs new power pacts, extends navigation channels, steps up research on fertilizer products and uses	Jan.	12	24	
Administration disposal plans for stockpile surpluses	Feb.	23	62	Truck trailer cargo tank specifications may be changed	Mar.	30	28	Slurry fertilizer development	Jan.	19	61	
Aluminum disposal plan in final stages	Apr.	20	38	Two new rail cars - one light, the other large	Mar.	23	39	Terephthalic acid				
Aluminum sales are in the offing	May	11	30	Tape				Big payoff in polyesters sparks terephthalic process race	Mar.	9	58	
Cadmium market price set	May	11	30	Belgian carpet producers and U.S. importers seek cut in tariffs	Mar.	2	17	- letter	Mar.	30	10	
Cadmium sale bill passes major hurdle	Mar.	16	28	Bunn, Howard S., discusses new Trade Expansion Act - Viewpoint	June	29	5	GE is working on process	Feb.	23	99	
Cadmium sale bill - Rep. Broomfield presses for fast action	Mar.	9	27	Chemical men attack export barriers, seek "dumping" curb (table)	May	4	22	Mobil Chemical plans semicommercial plant, buys process from Olin	Jan.	26	69	
Cadmium sale - NAMF charges "unconscionable profiteering"	May	18	72	GATT meeting - French throw up roadblock	May	18	26	Terpenoids - New plant-derived product called Limonin	June	22	73	
Cadmium sale will ease current shortage	Apr.	20	96	GATT talks - freer trade clears a hurdle, creates scare for U.S. synthetic organic chemical industry	June	1	26	Terphenyls - Corrosion and fouling eliminated in reactors using organic coolants (table)	Apr.	20	69	
GSA finds buyers for cadmium, tin and nickel sinter surpluses	May	18	25	GATT talks - "Kennedy Round" is forerunner of full-scale international bargaining sessions	May	25	33	Testing				
New legislation will go to Congress this year	Jan.	12	28	German association fights tariff-cutting plan - letter	Mar.	30	22	Computers cut costs of destructive testing for rocket propellant maker	Apr.	27	66	
Senate committee prepares report, OEP re-evaluates needs	Mar.	30	27	Herter, Christian, discusses trade agreements	Apr.	27	7	Hydrostatic tester detects leaks	Apr.	13	91	
Off-grade aluminum sale Mar. 2-28, Mar. 9-27	Apr.	6	36	Kennedy approves tariff cuts below peril point to compensate Britain and Japan for action taken on carpet and glass imports	June	15	25	Instrument tester	Feb.	2	66	
Surplus-tin disposal plan put into effect	Apr.	6	36	Rubber tariff drop draws Canadian firm to U.S. market	Jan.	19	29	Panama launches product-testing program	May	25	101	
Symington prepares new bill	Feb.	9	28		June	22	31	Psychological testing strikes back at critics	Apr.	20	29	
Storage								Tetraethyl lead - Canadian antiknock additive tariff hike request - opposition	Jan.	5	60	
Cabinet for storing petroleum compounds	Apr.	6	102					Tetrafluoroethylene				
Underground freezing technique will be used in East's first gas storage cavern	Mar.	2	55					MIT reports synthesis of compound from carbon tetrafluoride in high-power electric arc	May	25	66	
- letter	Apr.	6	7					Resin demand starts to climb (chart)	Feb.	2	59	
Underground storage of liquefied natural gas - Philadelphia Gas Works project	May	11	60					Tetramethyl lead - Canadian antiknock additive tariff hike request - opposition	Jan.	5	60	
Strainers - Pipeline strainer, Strain-O-Matic	Jan.	19	65									
Strapping - Nylon strapping system for shipment of pallet loads	Jan.	5	35									
Strippers - Tin-plate stripper	Mar.	23	36									
Styrene - Market outlook for '63	Mar.	16	78									
Sulfonation - Sulfur to syndet processes vie for detergent makers' attention	June	29	51									

Textiles			
Emulsion finish-binder, Polycryl 7-7-1	Jan. 12	43	
Federal aid to textile research - Spark self-help in textiles - Viewpoint	Jan. 5	5	
Finish called Rhoplex K-3	Feb. 23	94	
Safety fabric: fluorescent vinyl-nylon called Color-Guard	Mar. 2	41	
Stain-resistant textile finish, Zeipel	Jan. 12	71	
Textiles, autos off to strong start - Business benchmarks	Apr. 13	98	
Textiles find a happy surprise - Business benchmarks	June 1	146	
Textiles: '62 record, '63 retreat - Business benchmarks	Mar. 9	88	
Wash and wear properties achieved with new cross-linking agent	May 18	46	
Theft - Tighten know-how theft laws - Viewpoint - letter	Jan. 5	7	
Thermocouples - Swaged thermocouple with hot-junction tip	Apr. 27	56	
Thioglycolic acid - Prices	Feb. 23	130	
Tin - Bolivian tin company will supply raw material to Wan Chang	Feb. 9	25	

Tires			
Army switches from synthetic to natural rubber in military tires	Jan. 26	32	
New synthetic rubbers remodel tire markets (charts & table)	June 15	103	
Polyester fibers move on tire-cord markets (table)	Feb. 9	83	
- letter	Mar. 2	7	
Titanium			
Boost in demand seems likely	June 29	58	
Welding techniques spotlighted	Feb. 16	75	

Titanium dioxide			
Cyanamid's titanium dioxide via tetra-chloride process patented	Mar. 2	56	
Trade secrets battle - preliminary injunction bars Donald Hirsch from disclosing details of Du Pont process	Jan. 5-10, Jan. 12	84	

Tobacco			
MH-30 use criticized in USDA report	Mar. 2	18	
Reconstituted tobacco process seller	Feb. 2	64	

Toiletries			
Barbers aim for bigger cut of men's toiletries market	Feb. 16	42	
Sales went over \$2 billion for first time	Apr. 27	50	
Toluene - Prices	June 22	62	
Tooth cleaning tablets available in vending machines on West Coast	June 8	65	
Totalizer - Solid-state totalizer (SST-1) called Pulscrip	Feb. 16	47	
Tracing - Electric heating system cuts costs of tracing process piping and equipment	June 1	115	
Trademarks - Bayer-Sterling trademark suit decision	Mar. 2	28	
Trading Stamps - Stamps used to push coin-op drycleaning units and drugs	Feb. 2	64	

Training			
CPI seeks cure for 'technological obsolescence of scientists and engineers (chart)	Mar. 2	66	
"Creative transportation managers" - goal of new college training program	June 8	52	
Programmed instruction proves itself in chemical industry (table)	Apr. 13	38	
Salesmen learn value of listening as a sales tool	Jan. 5	26	
Transformers - Transformer-rectifier unit called Rectoformer	Mar. 16	83	
Transistors - Optical transistor developed	Mar. 16	64	
Translation - Experimental machine translates Chinese into English	June 8	47	

Transmitters			
Current and voltage transmitter	May 25	43	
Pressure transmitter	June 22	73	
Rotameter transmitter	May 25	43	
Trichloroethylene - Market outlook: bright (charts)	Jan. 5	61	
Trichlorosilane - Prices	Apr. 13	79	
Triethyl phosphite - Prices	Mar. 30	59	
Triphenyl phosphite - Prices	Mar. 30	59	

Trisodium phosphate			
Price fixing charges - eight firms and MCA sign consent order	Jan. 19	19	
Prices	Mar. 16	72	
Pricing due for shakeup in aftermath of anti-trust action	Jan. 26	21	
Tritium - Cold light concept uses tritium-triggered electroluminescence	Apr. 20	76	
Trons - Soda ash-from-trona patent battle looms	May 11-20, May 18	21	

Trucks			
Air-handled bulk shipping gains new adherents	Mar. 23	27	
Automatic sprayers clean trucks in less than half-hour	Apr. 20	90	
"Gray area" trucking practices attacked - ICC considers tighter safety rules for trucks hauling dangerous products	Mar. 16	85	
Leasing has record year	June 1	53	
Lessors woo CPI with "full service" pitch (chart)	Jan. 19	38	
New transportation rules proposed	June 29	65	
	Jan. 5	31	

Tubing			
Seamless stainless steel tubing price cut	Mar. 23	77	
Tungsten tubing for high-temperature uses	Feb. 23	93	

Tungsten			
Activated diffusion technique bonds tungsten to itself and to other materials	Jan. 12	69	
High-purity tungsten powder	June 29	39	
Thermal decomposition of tungsten hexachloride is key to tungsten coating process	Jan. 26	83	
Tungsten disulfide - Extreme-temperature lubricants	June 29	39	

Turbines			
Prime mover will use gas-lubricated bearings	Apr. 27	64	
Turbine-powered cars pose problems for petrochemicals, additives	May 18	19	
Turkey - Takes first step toward a domestic chemical industry (table & map)	Jan. 26	57	

U

Ultrasonics			
Air Force develops ultrasonic-assisted grinding	Mar. 9	61	
Research agreement between U.S. firm and Canadian firm	Feb. 23	114	

Ultraviolet			
GCA research: modified Duoplasmatron unit developed; first comparative study of intensities of available UV light sources	Mar. 9	82	
New ultraviolet inhibitors for polypropylene	Mar. 30	51	
United Arab Republic - Five year plan; petrochemicals project	May 25	95	
U.S. Air Force - Research revamp	Mar. 23	72	

U.S. Army			
Coating and Chemical Laboratory - corrosion inhibitor for brake fluids	Mar. 23	66	
Natick Laboratories - research findings provide new insight into properties of plastics	June 1	104	
U.S. Army Corps of Engineers - Surplus plants up for lease	May 18	22	

U.S. Dept. of Agriculture			
Northern Utilization Research Laboratory - water-soluble gum from corn sugar	Mar. 9	55	
20th pioneering research laboratory at the Agricultural Research Center, Beltsville, Md.	May 4	50	
Water-soluble gum developed	Mar. 9	84	

U.S. Dept. of Commerce			
Business & Defense Services Administration - Girdy, D.L., discusses plant modernization	Feb. 16	22	
New programs speed flow of government R&D information (table)	May 25	57	
U.S. Department of Labor - Ruttenberg, Stanley, takes over as top economist	Jan. 5	32	
U.S. Navy - All-nuclear Navy planned	Apr. 20	38	

U.S. Public Health Service			
Division of Water Supply and Pollution Control - federal pollution-control efforts Laboratory to study presence of pesticides in soil and water at Atlanta, Ga.	June 8	41	
Water-pollution-control field laboratory to be located in Boston	Jan. 5	44	
University of California - Institute of Industrial Relations - study of employee morale	Mar. 2	48	
University of Pittsburgh - Researchers have partly synthesized ribonuclease	Mar. 23	112	
	Mar. 30	50	

Uranium			
Consolidation of activities in Ambrosia Lake-Gallup, N.M., area proposed	Apr. 6	18	
Producer lineup changes in range country	June 1	30	
Sohio wants 400 lbs. of depleted uranium to use as a catalyst in a fluid-bed pilot reactor	Feb. 23	99	
Susquehanna-Western is ready to process uranium from lignite in North and South Dakota	May 4	56	
Urea - Prices of urea feed mixtures	May 18	71	

Urethane			
Adhesive for urethane foam	Feb. 9	49	
Flame retardant urethane foams research begins	Feb. 23	105	
Foam expansion joint filler	Feb. 9	50	
Foam industry growth prospects bright	Apr. 6	89	
Gun-spraying semirigid urethane foam - new system	Jan. 12	62	
Patent covers use of fluorocarbon blowing agents in urethane foams	Mar. 16	23	
Polyether-urethane foam patent - licensing policy and royalty fees set	June 29	47	
Portable system makes foamed urethanes	June 8	47	
Resins for use in protective coatings	May 11	48	
Urethane foam adhesive	Jan. 26	92	

V

Vacuum Deposition - Continuous machine for vacuum deposition of thin film circuits	Apr. 20	76	
-------------------------------------------------------------------------------------------	---------	----	--

Valves			
Aerosol valve for water-based formulations	June 8	68	
Ball valves	Mar. 2	41	
Bleeder valve	Feb. 9	49	
Compressor valves	Jan. 26-91, Mar. 23	35	
Cryogenic valves	Feb. 23-94, May 4	70	
Dry materials valve	Apr. 27	56	
European compressor valve specialist seeks U.S. sales	Feb. 16	71	
Flexible valve	May 25	43	
Jacketed valves	Mar. 2	41	
Polyvinyl chloride needle valves	Jan. 5	35	
Soft-seat valve	Jan. 12	43	
Solenoid valves	June 15	51	
Vaporizing valve	June 22	73	

Vanadium pentoxide - producers bank on vanadium oxide from phosphate tailings ventures	Mar. 16	23	
Vanilla			
U.S. makers lose bid for tariff relief	Apr. 27	72	
U.S. probes dumping reports - Feb. 16-58	Mar. 30	60	
Vaporizers - Carbon dioxide vaporizer for liquid storage systems	Mar. 23	35	
Vibrators - Electromechanical vibrators	Apr. 20	81	

Vinyl			
Air-drying vinyl spray called Quelspray	June 15	52	
Carbide sells vinyl film business	Jan. 26	25	
Compounded vinyl profile extrusion line	Feb. 23	129	
Decal material	Jan. 5	36	
Fastest growing construction plastic	June 8	60	
Leather vs. synthetic for shoe-upper market	May 25	51	
Liquid vinyl stabilizers	Feb. 2	66	
Resin prices	June 15	97	
Vinyl film products antitrust suit	Apr. 13	27	

Vinyl Acetate			
Outlook: rosy (chart & tables)	Mar. 30	63	
Prices	Jan. 19	61	
Vinyl bromide - Available in lab and small pilot lots	Jan. 26	91	

Vitamins			
Prices (table)	Feb. 9	78	
Vitamin B12 patent suit - Merck sues Richier	Feb. 9	24	

W

Wages and Labor, Manpower, technical, Research, Selling			
Waste Disposal			
Biochemical fuel cells may be used to destroy space wastes (table)	June 29	41	

Waste Disposal			
CSREX process extracts hard-to-remove fission products from nuclear fuel process wastes	May 18	63	
Metal platers by recovery systems	Mar. 30	43	
New process eases disposal of spent pickle liquor from steel mills	May 11	59	
Plant to remove alkyl benzene sulfonate from sewage moves closer to reality	Jan. 19	51	
Radioactive waste burial ground - first state-owned facility to be built in Kentucky	Jan. 19	19	
Refuse removal system	May 4	70	
Waste Utilization - Rice hulls converted into fertilizer and animal feed	June 15	83	

Water Pollution			
Administration and chemical industry agree against water pollution control program	June 29	27	
Boston will be site of water-pollution-control field laboratory	Mar. 2	48	
Chemical industry is major culprit in water pollution control efforts	June 1	54	
Congress steps up attack on water pollution problems	Feb. 16	29	
Congressional hearings may lead to tougher federal curbs	June 8	41	
Detergent biodegradability - new firm evaluates formulations	Apr. 27	49	
Detergent pollution on Long Island - N.Y. state study	Feb. 9	25	
Detergent problem - Reuss bill introduced	Jan. 26	32	
Detergent problem - Reuss attacks opponents	May 25	71	
Detergents - Miami bans nonbiodegradable detergents	May 11	70	
Detergents - Wisconsin group supports "hard" detergents	May 18	71	
Federal aid to help build pollution-control plants proves popular with local and industry officials	June 22	29	
Illinois Dept. of Public Health develops method of identifying polluted waters	Apr. 20	75	
Maine and New Hampshire pollution fracas	Feb. 23	160	
Maryland bans discharge of detergents into streams and septic tanks by laundries and car washers	Feb. 23	61	
North Carolina water pollution bill	May 18	18	
Oregon steps up antipollution drive	May 25	174	
Pollution control coming? - Viewpoint	June 1	5	
States support federal control, CPI condemns it, at Congressional hearings	June 29	32	

Water Supply			
Drinking water will be checked for sodium by PHS	June 1	54	
Ground water depletion allowance case	Feb. 2	22	
New York state probes water use	Feb. 9	23	
Water resources research bill passed by Senate, heads for trouble in House	May 4	26	

Water Treatment			
Coagulants aids called Primafloc	Jan. 26	92	
Coagulant aid, O'B-Floc	June 1	108	
Combination scale and corrosion inhibitor for potable water supplies	May 4	69	
Fluoridation pickup in New Jersey	June 1	44	
Government pushes for bigger water-research programs	Mar. 2	27	
Interior Dept. proposes huge salt-water conversion plant	Feb. 23	61	
Long-chain glassy phosphate for industrial water treatment	Feb. 23	93	
Oil spills on water removed with new chemical called Spill-Away	May 18	63	
Pasteurization process treats sewage effluent to make it potable	May 4	56	
Saline-water conversion plant for Florida	May 25	72	
Keys will be outlined by OSW	May 4	18	
Sea water distillation unit for Bermuda hospital	May 4	18	

Stanford University study points way to reclaiming water from sewage effluent	Apr. 27	68
Surface evaporation from bouncing drops of water is key to British desalting process	June 22	49
Yugoslav sea water conversion process uses quick-chill system	Apr. 6	64
Wax		
Microcrystalline wax, Cryoflex	June 15	52
Refined waxes - prices	Mar. 16	71
Rumanian process converts paraffin waxes into fatty acids	Apr. 6	64
Synthetic beeswax, Norwax 65	May 11	48
Weather		
Cold and snow play hob with CPI operations in U.S. and Europe	Feb. 2	25
Ice and floods disrupt shipping in upper Ohio River Valley	Mar. 23	23
Welding		
Arc welder	Mar. 9	55
Industrial welders	May 4	70
Stainless-steel-clad elements for plastic welding torch	May 25	43
Three techniques for low-cost welding of small titanium parts	Feb. 16	75
Whiskey - U.S. distillers seek restoration of duty on Canadian whiskeys	Mar. 9	28
Willers, Thomas - Hooker Chemical's new president	June 15	24
Wind Tunnels - Thiokol will build hyper-velocity tunnel	May 18	26
Wire - Pasteurizer	May 11	47
Wire - 35,180-ft. superconducting wire of columbium and zirconium	Apr. 6	69
Wisconsin - State research institute for industry opposed by Bjorksten	Feb. 9	62
Wood - Chemicals-wood research agreement between Dow and Weyerhaeuser	Feb. 9	62
Wood Preservatives		
Antisap stain and mold control for green lumber	Apr. 27	55
Celion-treated wood	May 18	64

X-Y-Z

Xenon - German researchers use electrolytic discharge to prepare compound of xenon and fluorine	Jan. 12	62
Xenon Trioxide		
Researchers have identified and isolated compound	Mar. 23	77
Smith, D.F., describes compound	Apr. 20	75
Xylene		
o-xylene prices cut, phthalic producers may switch to ortho	Feb. 23	129
Phthalic price cuts put squeeze on raw material suppliers	Apr. 27	71
Prices	June 22	62
Yeast		
Autolyzed yeast products	June 23	73
Petroleum paraffins, key to edible yeast process	Jan. 5	53
Yttrium-90 - Ceramic microspheres containing yttrium-90 supplied to medical researchers for studies of internal radiation treatment of cancer	Jan. 5	46
Yugoslavia		
Paper and pulp production up in '62	Feb. 23	57
Petrochemical plant will link Pancevo oil refinery and nitrogen fertilizer plant	Apr. 13	59
Sulfuric acid imports	Feb. 9	37
Zinc - Demand up in '62	Feb. 2	61
Zone Refining - Float zone-refining process yields single-crystal silicon slices of larger diameter	Feb. 2-42	Feb. 9 76

Author Index

Johnson, H. C. E.	Jan. 19-5,	June 22	5
Behind the news	Jan. 5-5, Jan. 12-5, Jan. 26-5,		
Viewpoint	Jan. 5-5, Feb. 16-5, Feb. 23-5,		
Mar. 2-5, Mar. 9-5, Mar. 16-5, Mar. 23-5,			
Mar. 30-5, Apr. 6-5, Apr. 13-5, Apr. 20-5,			
Apr. 27-5, May 4-5, May 11-5, May 18-5,			
May 25-5, June 1-5, June 8-5		June 29	5
Johnson, Oscar & others			
Pesticides			
Pt. 1. Insecticides, miticides, nematocides, rodenticides		May 25	117
Pt. 2. Fungicides and herbicides		June 1	55
Krog, Norman & others			
Pesticides			
Pt. 1. Insecticides, miticides, nematocides, rodenticides		May 25	117
Pt. 2. Fungicides and herbicides		June 1	55
Poland, J. Lloyd & others			
Pesticides			
Pt. 1. Insecticides, miticides, nematocides, rodenticides		May 25	117
Pt. 2. Fungicides and herbicides		June 1	55

Company Index

Abbott Laboratories - blood pressure depressant	Mar. 23	35
Cyclamate sweeteners piracy case	Mar. 9	18
Cyclohexylamine derivatives	June 1	107
'63 earnings will top '62 peak	Mar. 16	24
Production of yttrium-90 particles dropped	Jan. 5	46
Sales and earnings	Apr. 27	24
Aceto Chemical Co., Inc. - guanidine carbonate for use as flow promoter	Apr. 27	55
Acheson Colloids Co. - aerosol lubricants and release films	May 18	68
Acid, Inc. - sulfuric acid plant onstream at Bonnie, Fla.	Jan. 19	62
Adco Chemicals - expands production and warehouse facilities	Jan. 5	25
Aerojet-General Corp. - computers cut costs of destructive testing for rocket propellant maker	Apr. 27	66
Growth plan puts new accent on chemicals	Feb. 16	23
Liquid nitrogen contract awarded to Linde; material will be used at Sacramento rocket and propellant plant	Jan. 26	27
Nitroplasticizer plant will serve the Navy's Polaris program	Feb. 16	48
Nitroplasticizers will give extra zip to fuel for Polaris missile	Feb. 23	150
Solid-fueled booster demonstration contracts	Apr. 27	30
Strengths of elastomer-filler bonds in granular-filled elastomers can be evaluated by high-speed testing	June 1	104
Structural Materials Division acquires glass-fiber R&D facilities and patents of House Glass	Apr. 6	27
Aeropreen, Ltd. - nonrigid urethane foam process licensed to Pfizer	Feb. 9	37
Polyether foam plant being built at Cheshire	June 29	26
Aerosol Techniques - acquires outstanding stock of Western Filling	Mar. 30	25
African Explosives and Chemical Industries - polyethylene plant to be built at Sasolburg, phosphoric acid plant at Modderfontein	Jan. 12	57
Will build plants to produce polyethylene, cyanide, fluorocarbon aerosol and refrigerant chemicals, and nylon-6	Feb. 23	35
AFSCO Chemical Corp. - aluminum grain-refiner	Apr. 27	55
Agfa (Australia) Pty. Ltd. - new sales subsidiary of Agfa AG	Mar. 9	37
Agfors - Ostensund sulfate plant may be sold to Norlands Skogsagare	May 11	28
Agriform Chemical Co. - fertilizer subsidiary established with Leslie Salt	Feb. 23	45
Air Products and Chemicals Inc. - computerized gas distribution pays off	Apr. 27	33
High-purity oxygen plant to be built for company in Chile	Feb. 23	57
Houdry Process - Litol process to be used by Bethlehem Steel	May 4	55
Houdry Process - oxa-alcohol plant onstream at Delaware City, Del.	Apr. 13	80
Nitrogen-freezing-foam system, Cryo-Guard, debuts	Jan. 12	61
Three new laboratories to be built at Trexlerstown, Pa.	June 29	44
Air Reduction Co. - Airco Pacific - commercial helium production plants at Richmond, Calif., plant	Apr. 6	90
Calcium hydroxide spill at Louisville, Ky.	June 8	71
Continuous 9-watt laser developed	May 4	56
Slime slurry inundates Louisville facilities	Mar. 9	22
Pacific Division - liquid nitrogen expansion at City of Industry, Calif.	June 22	70
Polyvinyl acetate homopolymer emulsion, VINAC WR-60	May 25	114
Water-lubricated compressor installed for oxygen service	Jan. 12	64
Air Reduction Pacific - liquid helium plant at Richmond, Calif., to be built by A.D. Little	Apr. 13	28
Air Reduction Sales Co. - builds addition to air-separation plant at Riverport, N.J.	Apr. 6	27
Airkem, Inc. - bacterial/enzyme cleaners	Feb. 9	50
Sets up Airwick Branch Division to improve sales ranking	Mar. 9	42
Akron Metallic Gasket Co. - ring seals	Mar. 23	35
Alba Gypsum Co., Ltd. - buys gypsum ore deposit on Nova Scotia's Cape Breton Island	May 11	26
Albany Felt Co. - Dust Control Div. - dust filter	Mar. 9	55
Albemarle Paper - water pollution case at Roanoke Rapids, N.C.	May 18	18
Albright & Wilson - financial report for '62	Mar. 16	42
Organo-tin compounds capacity boost planned	June 15	61
Alcolac Chemical Corp. - diversifies, acquires Guard Chemical Co.	Feb. 23	127
Druid surfactant for use in shampoo; Abex surfactants line a success	June 8	64
New method slows evaporation of water in reservoirs	May 4	56
Alcudia S.A. - joint venture of Calvo Sotelo and ICI will produce ethylene oxide and polyethylene	Apr. 27	75
Petrochemical project approved by government	June 1	32
Aldrich Chemical - forms company with Metal Hydrides to make unusual inorganics	Apr. 6-70,	Apr. 13 26
Triple-bonded amine series	Apr. 13	70

Alfa Inorganics - joint venture of Metal Hydrides and Aldrich Chemical, will make unusual inorganics	Apr. 6-70,	Apr. 13 26
Algro Knitting Mills - polypropylene knit shirts for men	June 8	24
Alkor Werke AG. - laminated film process licensed to Rexall	May 25	102
Allan Marine, Inc. - vinyl fabric lawsuit	Apr. 13	42
Allegheny Ludlum Steel Corp. - seamless stainless steel tubing price cut	Mar. 23	77
Allied Chemical Corp. - aromatics unit to be built at Winnie, Tex.; olefins plant still slated for Geismar, La.	May 11	24
Barrett Div. - urethane foam expansion joint filter	Feb. 9	50
Baton Rouge, La. residents sue over alleged fume damage	Jan. 5	58
Chlorinated polyethylene polymer called Plaskon PVC Impact Modifier 101	May 18	63
General Chemical Div. - fluoroketones; concentrated aqueous peracetic acid	Mar. 16	63
Fiber Markets Dept. tackles job of making company a familiar name in apparel market	June 8	55
Fuel cell operating on by-product hydrogen tested with Allis-Chalmers	Mar. 30	50
General Chemical Div. - fluoroketones; new family of chemicals	Mar. 2	47
General Chemical Div. moves to Morris Township in New Jersey, Plastics Div. will move later	Feb. 16	25
National Aniline Div. - industrial detergent	May 4	69
Nitrogen Div. - Hathaway, Norman, opposes fertilizer swapping	Apr. 6	73
Phenol-from-cumene process to be used by Clark Oil	Jan. 19	51
Plastics Div. builds alkyl molding compounds plant at Whippany, N.J.	May 18	23
Polymeric family is essentially chlorinated polyethylene	Mar. 9	61
Sales and earnings	Feb. 23	35
Solvay Process Div. - chlorine safety kits	Jan. 5	75
Sulfur-to-syndet processes battle	June 29	51
Times Tower becomes showcase for chemistry	Apr. 20	24
Union Texas, a division, acquires assets and certain related facilities of Texas Gas Corp's Winnie, Tex., chemical plant	Jan. 19	27
Allied Chemical (Australia) Pty. Ltd. - nylon-6 plant to be built in Sydney, proposed joint venture with Polymer dropped	Feb. 2	46
Allied Chemical Canada Ltd. - sells gypsum ore deposit on Nova Scotia's Cape Breton Island to Alba Gypsum	May 11	26
Allied Paper Co. - pulp and paper mill to be built at Jackson, Ala.	June 15	26
Allied Research Products - acquires Barrett Chemical Products Co.	Jan. 5	25
Allis-Chalmers Manufacturing Co. - centrifugal pump line redesigned	Mar. 9	65
Fluid Dynamics Dept. - pumpmaker pushes valveless process control	Feb. 23	149
Fuel cell operating on by-product hydrogen tested with Allied	Mar. 30	50
Motor corrosion problems	June 8	48
Pump test pits unveiled	May 4	23
Silicon rectifiers	May 11	47
'Unipolar' generator sold to Mallinckrodt for continuous production of direct-current power	Feb. 9	68
Alnor - joint venture of Harvey Aluminum and Norsk-Hydro, will build aluminum reduction plant on island of Karmoy	June 29	26
Alpha Metals - water-soluble flux	May 18	68
Alpine Aromatics, Inc. - nonane diacetate-1,3, new jasmine chemical	Apr. 6	101
Althouse Chemical Co. - fixative for dyed textiles	May 25	44
Altona Petrochemical Co. Pty. Ltd. - financial losses reported	June 8	26
Aluminum Co. of America - capacity boost at Point Comfort, Tex.	Mar. 2	24
Increases stake in real estate operations of Webb & Knapp	May 25	56
Secondary stock offering	Mar. 23	26
Aluminum Metallurgical Granules, Inc. - aluminum granules for use as plastic fillers	May 4	69
Producing aluminum powders at new plant in Kansas City	Jan. 26	27
Amarlite Corp. - acquired by Anaconda Aluminum	Mar. 2	26
Amex Petroleum - will operate Trigood Oil, Goodstein Oil and Gas, Chappel Oil, Boston-Wyoming Oil for American Metal Climax	Jan. 26	18
Amber Laboratories, Inc. - enzyme-hydrolyzed proteins and autolyzed yeast products	June 22	73
Anchem Products - weed killer called Anchem	Jan. 19	52
Amerco Inc. - new company created by merging Mitchell Rubber Products and Tetrafluor	Mar. 23	26
Ameria Casalle - ammonia know-how provided for Brazilian project	Jan. 26	53
American Agricultural Chemical - acquisition by Continental Oil	June 15	22
Acquisition by Continental Oil - no comment from Justice Dept.	June 8	19
Merger negotiations with Continental Oil	May 4	23
American Air Liquide - builds oxygen plant at Hamilton, Ont., for its operating division, Canadian Liquid Air Co.	Feb. 2	26
Low-temperature air-separation plants to be built for Dye Oxygen Co. at Phoenix, Ariz., and for B-3 Thermo Welding and Supply at Houston, Tex.	Feb. 9	26
American Alkyl Industries - alkyl resins plant at Carpentersville, Ill., sold to Cargill	Feb. 23-35,	Mar. 30 23

Bituminous Coal Research, Inc. - new method of ridding flue gases of sulfur dioxide	Jan. 5	45	Brush Beryllium Co. - accused of over-charging on missile subcontract	June 1	54	Carlson Products Corp. - Sims, D. W. is new chairman; Conoco increases holdings	Jan. 5	22
Bjorksten Research Laboratories, Inc. - Bjorksten, John, opposes Wisconsin's plan to finance a state research institute for industry	Feb. 9	62	Bryant Pharmaceutical Co. - acquired by West Chemical Products	Mar. 16	26	Carnegie Institute of Technology - engineering manpower data released	June 8	37
Research park established at Fitchburg, Wis.	Feb. 23	114	Buckeye Cellulose Corp. - chemical wood cellulose prices	June 29	58	Camell, Howland, Hayes & Merryfield - plant to remove alkyl benzene sulfonate from sewage moves closer to reality	Jan. 19	51
Black, Sivalis & Bryson - glass-fiber tank car debuts	Apr. 13	73	Butler Manufacturing Co. - utility building called Pan-Frame	Apr. 20	84	Carrier Corp. - Elliott Co., division, offers water-lubricated centrifugal compressor	Jan. 12	64
Mass flowmeter used for custody transfer	Apr. 13	94	Bunawerke Huels - financial report	Apr. 27	84	Carter Products - acquires 50% interest in Millmaster	Feb. 2	18
Blaw-Knox - builds waste water effluent plant for Goodrich-Gulf	June 15	18	Burgess Battery Co. - expands research program at Freeport, Ill.	Feb. 23	116	Aerosol shaving cream patent suit settled	Mar. 23	24
Freeze-concentration processes costs	June 1	98	Burmah Oil Co. - partner in natural gas pipelines project	June 8	26	Negotiates for 50% interest in Millmaster Chemical	Jan. 26	18
A. Boake, Roberts & Co. Ltd. - phosphate plasticizer prices	Feb. 23	57	Bush, W. J., and Co. Ltd. - benzoic acid plant will use toluene oxidation process	June 15	61	Cary Chemicals, Inc. - Blacar PVC resins	Mar. 9	72
Synthetic perfumery chemicals plant to be built at Widnes, Lancashire, England	June 29	26	Busse - extrusion mixing process for phenolic molding compounds	June 8	24	Expands research facilities at Raritan Township, N.J.	June 22	56
Boeing Co. - TFX controversy	May 18	25	Bzura Chemical Co. - Giordana, J.C., seeks financial help to get firm out of bankruptcy proceedings	Apr. 13	27	Vinyl resin price hikes, expansions at Burlington, N.J. and Houston, Tex.	June 15	97
Veritol Division - self-sealing rivet	June 15	80	Switches to Chapter 10 Bankruptcy Act proceedings	Feb. 9	18	Cassella Farbwerke Mainkur AG. - Netherlands dye venture announced	Jan. 12	57
Bohn Aluminum & Brass - Universal American acquires 62% stock control	May 11	26	CAH Industries - acquires business and inventory of McKeown Flexible Coating Co.	June 15	26	Catalin Corp. - polystyrene resale arrangements with Dow terminated	Mar. 9	71
Boise Cascade Corp. - negotiating for Crown Zellerbach's paper mill at St. Helens, Ore.	June 15	26	CANDU - giant size atom plant offers lowest-cost power	June 8	33	Catalysts and Chemicals, Inc. - developing catalyst for hydrogen production	Feb. 2	41
Bolidens Gruvab - acquires majority stock of Reymerholms Gamla Industri	Feb. 9	37	CEPSA - naphtha-cracking unit - engineering contractor bids	June 15	18	New Jersey Zinc acquires interest	Mar. 16	26
Bolivian Mining Corp. - tin concentrates deal with Wah Chang Corp.	Feb. 9	25	CSRC-Dow Pty. Ltd. - financial losses reported	June 8	26	Catalytic Combustion Co. - becomes division of UOP	Feb. 2	26
Bon Ami Co. - sales and earnings; merger plans abandoned	June 29	24	Cabot Corp. - reveals finances to public for first time	Mar. 30	24	Celcolite Co. - fume scrubbers	June 22	73
Bonded Structures Ltd. - Redux and Hixux adhesives to be distributed in U.S. and Canada by Shur-Lok Bonded Structures	June 8	66	Cabot Titanium - acquires National Distillers' titanium tetrachloride plant at Astabula, O.	Feb. 9	18	Celanese Corp. of America - Canadian Celanese stock plan	Mar. 2	18
Bonner & Moore Engineering Assoc. - unit operations simulation program for engineering design	Mar. 9	62	Calatrava S.A. - joint venture of Calvo Sotelo and Phillips Petroleum, will produce petrochemicals at Puertollano	Mar. 16	42	Expansions: acetyl chemical plants in Texas; polyester film plant in South Carolina; polycarbonate film and sheet plant at Newark, N.J.; polyester film marketing agreement with ICI	June 29	24
Bonneville Ltd. - Stockholder Thomas Dowling moves to block sale	Feb. 23	36	Calgon Corp. - new name of Hagan Chemicals & Controls	Apr. 27	26	Foms Celanese International Co. as a new operating division	June 22	37
Stockholders clash over proposed sale - letter	Jan. 12	22	California Chemical Co. - Ortho Div. builds new research unit at Richmond, Calif.	Mar. 9	87	Nylon production planned	Mar. 9	24
Stockholders vote to accept Standard Magnesium offer	Feb. 16	19	Phthalic anhydride plant at Perth Amboy, N.J. - startup delayed by flash fire	Feb. 9	77	Polyacetal resin venture with Dainippon	May 11	19
Booz, Allen & Hamilton - surveys foreign buildup by U.S. companies	June 29	24	Polymer Division opens plastics laboratory at Union, N.J.	June 22	56	Celluloid - MITI approval expected soon	May 11	28
Borax (Holdings) of London - Indian boron products venture	Jan. 12	57	Striton, Robert, sees host of uses for alpha-olefins	Mar. 23	69	Zercher, John, tests polyethylene-lined drums	Jan. 19	36
Borax Morarji - joint venture of Borax Holdings and Dharani Morarji Chemicals, will produce boron products	Jan. 12	57	California Ink Co. - water-type ink, Top-Set, gives firm headstart in potentially lucrative newspaper color ink business	Mar. 23	61	Celanese Fiber Co. - polyester fiber prices	June 1	122
Borden Chemical Co. - adhesive for urethane	Feb. 9	49	California Research Corp. - Hall, K.L., pinpoints radiation's effects on organic coolants	Apr. 20	69	Celulosa y Derivado - polyethylene resins venture with ICI and Pemex	June 15	61
Borden Chemicals (Canada) Ltd. - formaldehyde project at North Bay, Que.	June 22	62	Callery chemical - boron fuels plant at Muskogee, Okla. - curtailment of operations	Mar. 23	39	Central Cooperatives - merging with Midland Cooperatives	June 1	31
Borg-Warner - chemical expansions in U.S. and abroad	June 15	18	Cal-Val Research and Development Corp. - carbon dioxide vaporizer	Mar. 23	35	Cepsa - legal proceedings underway to stop refinery project at Bilbao	Feb. 16	26
Marbon Chemical Div. - styrene plant onstream at Baytown, Tex.	Jan. 26	85	Calvo Sotelo - ethylene oxide and polyethylene venture with ICI	Apr. 27	75	Champion Paper Co. - North Carolina's anti-pollution drive	May 25	178
Marbon Division opens ABS plant and styrene butadiene latex unit in Scotland	June 22	61	Petrochemical plants will be honored by government	June 1	32	Channel Black Inc. - carbon black process slated for tryout in Texas	Feb. 23	99
Mechanical Seals Div. - magnetic separator	Apr. 27	56	Petrochemicals project at Puertollano runs into civic trouble	Mar. 9	34	Chappel Oil - acquired by American Metal Climax	Jan. 26	18
Norge Div. - trading stamps used to push coin-operated cleaning units	Feb. 2	64	Petrochemicals venture with Phillips	Mar. 16	42	Chase Brass & Copper Co. - sewer case	June 1	44
Shattuck, Robert, group vice-president in charge of chemical operations	May 4	23	Petroleum approval	Feb. 16	26	Chatham Reading Chemical Corp. - acquired by Pittsburgh Plate Glass	Feb. 16-19	23
Boston-Wyoming Oil - acquired by American Metal Climax	Jan. 26	18	Starts legal proceedings to stop Cepsa-Gulf refinery project at Bilbao	Feb. 16	26	Chemtron Corp. - acquires 50% interest in Northern Chemical Industries	Jan. 12	25
Bostrom Corp. - new laboratory for urethane research and development	June 29	44	Canadian Celanese Ltd. - acquisition by Canadian Chemical	Mar. 9	33	Cardox Div. - carbon dioxide propellant marketing agreement with Carbide May 4-63	May 18	49
Bradley & Vrooman Co. - ink for glass	June 22	74	Directors will sell their common stock to Canadian Chemical	Mar. 2	17	Girdler Catalysts - catalyst, G-66, promises significant economies in hydrogen-ammonia plants	Feb. 2	41
Bradley Pulverizer Co. - phosphoric acid plant to be built for Fisons; leaching and filtration systems licensed from Societe Metallurgique de Prayon	June 22	37	Canadian Chemical Co. Ltd. - Canadian Celanese acquisition would make CCCL Canada's fourth ranking chemical company	Mar. 9	33	National Cylinder Gas Division expands air-separation plant in Chicago	Jan. 12	25
Brauerei Technik, GmbH - beer stabilization product licensed to U.S.	Feb. 9	50	Will acquire common stock of directors of Canadian Celanese	Mar. 2	17	National Cylinder Gas Division will expand high-purity hydrogen gas plant at Dallas, Tex.	May 25	56
Breck, John H., Inc. - acquisition by Cyanamid completed	May 25	56	Canadian General Electric - giant-size nuclear power plant design	June 8	33	Vote Tums Div. - hinged closures	Mar. 2	41
Hair colorant called Stroke & Comb	Mar. 2	42	Canadian Helium Ltd. - helium project	Apr. 27	75	Tubator Division - freeze concentration technique	June 1	97
Takes option to buy site in Memorial Industrial Park	Feb. 16	25	Canadian Hydrocarbons Ltd. - debentures sold	Jan. 26	27	Chemical and Industrial Corp. - wins TVA nitric acid plant contract	Feb. 9	24
Brew, Richard D., and Co. - Vacuum Furnace Div. - vacuum furnace	May 4	70	Canadian Industries Ltd. - may market ICI's Melinex film	Feb. 16	58	Chemical and Plastics India Ltd. - polyvinyl chloride project - financial and technical agreements	Mar. 2	33
Bridgeport Brass Co. - Reactive Metal Products - titanium welding technique	Feb. 16	75	Trinitrotoluene in commercial production at McMastersville, Que.	Apr. 13	80	Chemical & Power Products - affiliates with Sealco, Inc.	Jan. 26	27
British Aluminum Ltd. - Australian bauxite deposits lease withdrawn	June 1	32	Canamex S.A. - Atlas Chemical agrees to acquire interest and to help concern go into emulsifiers and detergents	June 15	61	Chemical Construction Corp. - potassium metaphosphate fertilizer process licensee	Feb. 2	45
Australian bauxite reserve leases	Mar. 2	33	Canusa Co. - extrusion mixing process for phenolic molding compounds	June 8	24	Chemical Detergents Co. - automated truck-cleaning system	Apr. 20	90
British American Oil Co. - acquires majority interest in Shawinigan Chemicals, upsets Province of Quebec's offer	Jan. 19	25	Carbimulphol Co. - epoxy cleanser	May 18	68	Chemicals and Phosphates Ltd. - development of phosphate properties in Israel's Oron area planned	Feb. 2	46
Canadian heavy water plant estimate	Jan. 19	54	Carbimulphol Co. - acquisition of Pangborn Carbimulphol Co. - acquisition of Pangborn Carbimulphol Co.	Mar. 30-25	May 18	Transparent plastic	Apr. 6	69
May acquire complete control of Shawinigan Chemicals	Jan. 12	18	Employee layoff	June 15	24	Chemicals Corp. - Monsanto obtains worldwide licensing rights to metallurgical leach process	May 4	55
British Burma Shell - Wetting agents and synthetic detergent project in Pakistan with Futalehi Chemicals	Mar. 9	37	Fiberfrax ceramic fiber plant expansion	June 22	46	Chemiebau Dr. A. Zieren GmbH - phosphoric acid plant to be built in Greece for COMPADEC	June 1	32
- letter	Mar. 30	10	Foms subsidiary to take over assets and business of Ty-Sa-Wan Machine Co.	Jan. 26	27	Rumanian soda ash plant contract	May 18	37
British Celanese - hydroxyethyl cellulose production planned	Feb. 16	26	Phenolic resins and chemical specialties plant at Wheatfield, N.Y.	Feb. 9	76	Will build superphosphate and sulfuric acid plants for Indian company	Apr. 20	54
British Cellophane Ltd. - oriented polypropylene film plant planned	Apr. 20	54	Semiconductor-grade silicon carbide process	June 8	37	Chemirad - ethylenimine marketing boost	June 29	23
British Nylon Spinners Ltd. - nylon fiber production boost	Mar. 30	58	Careers Inc. - engineering manpower study	June 8	37	Ethylenimine production	June 22	50
Nylon spinning plant to be built in the Republic of South Africa	Mar. 16	42	Carey, Philip, Manufacturing - closes Plymouth Meeting, Pa., plant	Mar. 2	26	Chemische Werke Huels A.G. - electrolytic chlorine plant to be built by Hoechst and Uhde	Apr. 6	51
Sales and earnings	Apr. 6	51	Carroll, Inc. - acquisition of American Alkyd's Carmichaelville, Ill., alkyd resin plant reported	Feb. 23	35	Sales down in '62	Feb. 16	26
British Oxygen Co. Ltd. - acquires interest in Italy's Rovivori, S.p.A.	Mar. 30	58	Grain trader goes chemical	Mar. 30	23	The Chemticon Corp. - Sulfur-to-syndet processes battle	June 29	51
Profits for '62	Jan. 12	57	Salt mine onstream at Belle Isle, La.	Jan. 1927	61	Chemoil Industries, Inc. - stock fraud case - decision	Feb. 9	24
Sales and earnings	Feb. 16	26	Urethane paint vehicle	May 25	44	Chemoil Products - new chemical intermediates producer in Houston, Tex.	Jan. 19	27
British Petroleum Co. - chemical stake grows	May 25	85	Carlisle Chemical Works - mercaptans in pilot plant quantities	Mar. 16	83	Chemore Corp. - polypropylene film and fiber imports discontinued	Apr. 13	25
Molecular sieve processing developments	Jan. 26	37				Chemplast Inc. - Teflon bonding kit	June 29	39
British Titan Products - titanium dioxide plant may be built in France	Jan. 12	57				Chemserve (Aust.) Pty. Ltd. - acquires 45% interest in Parker Bondrite	June 22	37
British Visqueen - will operate polyethylene bags plant for ICI	Jan. 26	53				Cherry-Burrell Corp. - Karl Kiefer Div. - drum filler	Mar. 2	41
Bromine Compounds Ltd. - Israeli bromides plant onstream	Feb. 23	57				Chesapeake Corp. - pulp and paper expansion at West Point, Va.	Apr. 27	26
Brown & Root - builds sulfur recovery unit at Houston, Tex. for Signal Oil	June 1	31						

Dow Chemical Co. - acquires three of four manufacturing plants it formerly owned jointly with Hoveler Ball & Bearing	Feb. 9	18	Corfam polyester fiber shoes sold at I. Miller	Apr. 6	28	Electric Storage Battery Co. - Exide Industrial Marketing Div. - emergency lighting unit	Apr. 27	56
Annual meeting - May 18-22	May 25	53	Develops process for disposing of spent pickle liquor from steel mills	June 15	79	Electrostatic Printing Corp. of America - pressurized printing process	Mar. 23	78
Automation policy revised	Apr. 6	30	Dimethyl terephthalate plant to be built at Old Hickory, Tenn.	May 11	59	Electro-Trace Corp. - electric heating (tracing) system debuts	June 1	115
Branch, C. B., forecasts growing market for plastics in refrigerators and freezers	Jan. 12	71	Dyes and Chemicals Division - fiber-reactive dyes capex, Cavalier	Mar. 30	18	El Paso Natural Gas Products Co. - may drop out of Algerian outaide project	Jan. 5	24
Bromine news	June 1	122	Dyestuffs: firm will make and sell Hoechst reactive dye line	June 15	52	Petrochemical buildup in Odessa, Tex.	June 8	24
Chemical news research agreement with Weyerhaeuser	Feb. 9	62	Explosive cladding moves closer to commercialization	Feb. 16	47	Emerson & Cuming Inc. - dielectric powders	May 18	68
Diphenyl oxide derivatives	Jan. 5	35	Ferredoxin isolated from bacteria that grow in soil	May 25	114	Dip coating for electronic components	Feb. 9	50
Dobackmun Division changed to Packaging Division	June 22	26	German titanium oxide pigments venture with Sachtleben	Apr. 27	59	Emery Industries - acquires Process Chemicals Co.	May 25	56
Dobackmun Division closes plastics film plant at Berkeley, Calif.	May 18	71	Greenwell and Copeland win solid support at annual meeting	Mar. 2	33	Dividends	May 18	53
Dobackmun Div. - expansion of polyethylene film plant at Fresno, Calif.	Apr. 6	27	Japan approves polyacetal resins venture with Showa Denko	Apr. 20	23	Enjay Chemical Co. - aliphatic ester sulfate	Jan. 19	65
Dustless flux	Jan. 26	92	Loher, Samuel, speaks on government R&D money shaver in instruments, invests in West Coast electronics firm	May 11	28	Employers Mutuals of Wausau - studies effectiveness of safety leaflets, posters and films	Apr. 6	85
Epoxy rubber developed by Joseph Baggett and Malcolm Pruitt	May 18	39	Nylon molding powder expansion leads to resin price cuts	Mar. 30	5	EMI - Egyptian petrochemical project	May 25	95
Ethyleneimine in semicommercial production at Freeport, Tex.	June 29	23	Nylon sleeving system for shipment of pallet loads	May 11	19	Enjay Chemical Co. - alpha olefins deal with Monsanto rumored	June 22	18
Ethyleneimine to be produced commercially	June 22	50	Opposes dual rate system proposed by steamship companies	Apr. 13	27	Polypolypropylene line - four new grades	Mar. 16	83
Explosion and fire at Plaquemine, La., complex	Apr. 13	19	Paint applications laboratory being built at Marshall Laboratory in Philadelphia	Feb. 2	21	Enthone, Inc. - dry acid salt treats metals prior to plating	June 1	108
Field research station at Davis, Calif., iodine operations transferred from Seal Beach, Calif., to Midland, Mich.	June 29	44	Polycyatal patent dispute ends	Jan. 5	44	Escambia Chemical Corp. - considers borrowing money to finance budget and to re-line a portion of debt to Bond and Share	June 8	25
McIlhenry, W. F., discusses economics of mining minerals from the sea	May 18	23	Polycyatal patent cross-licensing breakthrough	May 11	19	Methacrylic acid and methyl methacrylate plant near Pensacola to go onstream this fall	Feb. 23	44
Moves part of its agricultural research activities from Florin, Calif., to Davis, Calif.	Apr. 13	70	Programmed instruction used to develop sales skills	June 8	29	Essential Chemical Co. - sells Milwaukee, Wis., plant to DeSoto Chemical Coatings	Apr. 6	27
Nuclear fuels laboratory under construction at Midland, Mich.	Mar. 9	87	Refrigerant gas-container deposits	Jan. 5	26	Essex Chemical Corp. - acquires Lurado Manufacturing Co.	Mar. 2	26
Opposes dual rate system proposed by steamship companies	June 1	128	Refrigerant gas lawsuit	May 4	63	Dixon Chemical recapitalization plan moves ahead	Feb. 9	17
Organic carbamate insecticide - new formulations	May 11	60	Surface-active agent called Zonyl	Apr. 13	42	Dixon Chemical's refinancing plan completed	Apr. 6	17
Oven cleaner	Apr. 27	52	Tennessen land deal approved; applies for SEC clearance on proposed purchase of site near Newark, Del.	Mar. 9	56	Works out complex plan to keep Dixon Chemical Industries afloat	Jan. 12	23
Paint coalescing agent	Mar. 9	56	Textile finish, Zepel, is stain-resistant	Jan. 12	71	Esso Chemical Co., Inc. - Jersey Standard affiliate will handle international movements of chemicals	May 4	18
Polypropylene-lined pipe, valves, fittings, and more produced	Jan. 19	32	Titanium dioxide pigments dispute - preliminary injunction bars Donald Hirsch disclosing details of process to new employer	Jan. 12	84	New Jersey Standard affiliate will coordinate and expand international chemical business	May 11	22
Polypropylene oxide rubber research	May 4	55	Vinyl coating resin, Elvax 260	Mar. 2	42	Esso-Nederland N.V. - Dutch gas pipelines venture with Shell	June 8	26
Polystyrene discount plan	Mar. 23	101	Wage agreement at Louisville, Ky.	Mar. 16	52	Esso REP - establishes laboratory near Paris in collaboration with Jersey Production Research	Jan. 5	44
Polystyrene price cuts	Apr. 20	95	Du Pont of Canada - Canadian heavy water plant estimate	Jan. 19	54	Esso Research and Engineering Co. - biodegradable detergent; sodium alkane sulfonate	June 15	89
Polystyrene prices	June 1	121	Duranor - merges with Plasticos Atanor; dedicates phenol project at Rio Tercero	June 15	61	Hydrocarbon fermentation research	Feb. 2	49
Polystyrene resale arrangements with Catalin terminated	Mar. 9	71	Duro Chemical Corp. - Prosperity House lacks door-to-door selling	Feb. 16	45	Jones, Charles F., new president, will stress over-all corporate objectives	Mar. 9	78
Polystyrene resin prices	Feb. 23	45	Duval Corp. - debenture sale and expansion program	June 29	25	Molecular sieve hydrocarbon catalyst process	Feb. 23	100
Stock dividend	Feb. 23	45	Phosphate rock ore investigation in Sublette Range area of southwest Wyoming	June 8	25	Solid-rocket propellants contract renewed	Jan. 19	51
Wage agreement	June 29	34	Dye Oxygen Co. - low-temperature air-separation plant to be built at Phoenix, Ariz.	Feb. 9	26	Esso Standard Eastern, Inc. - forms single chemicals coordination department	May 25	34
Water rights hassle in Texas	Apr. 27	40	Dynalcor Corp. - merger talks with 3M	Apr. 13	26	Esso Standard (Cuba) Inc. - Cuban refinery out to about 40% of capacity	Feb. 9	27
Dow Chemical International - Dutch subsidiary will build saran plastic film plant	Apr. 20	54	3M may acquire company; sales and earnings	June 29	28	Ethyl Chemical Co. - tetraethyl lead project	May 18	37
Tennessen complex will produce glycols, polyglycols, alkylene amines and polystyrene	May 25	95	Eagle-Picher Co. - Fabricon Products Div. - laminate papers	Mar. 2	42	Ethyl Corp. - Canadian antiknock additive tariff hike request - opposition from two oil refiners	Jan. 5	60
Dow Chemical of Canada - Smithers, L.D., discusses anti-Americanism issue	Feb. 16	23	Eastern Minerals Inc. - sodium chloride additives patent infringement suit settled	Mar. 2	26	Chlorine-caustic plant onstream at Baton Rouge, La.	Feb. 16	57
2, 4-D herbicide to be produced at Edmonton, Alta.	Jan. 26	27	Eastman Chemical Inter-American Ltd., subsidiary of Eastman Kodak, will market all products of Tennessee Eastman and Texas Eastman in Western Hemisphere	Mar. 16	26	Counts on cash flow for diversification into plastics	May 18	23
Dow Corning Corp. - float zone-refining process yields single crystal silicon slices of larger diameter	Feb. 2-42	Feb. 9	Eastman Chemical Products, Inc. - isobutyl isobutyrate available in commercial quantities	Mar. 16	83	District 50 edges out OCAW at Pasadena, Tex.	June 1	44
Silicone building products to be marketed by distributors; sealant price cut	May 11	70	Eastman Kodak Co. - AEC turns down petition to block nuclear fuel reprocessing plant	May 4	17	3-nitro-1, 5-pentane diisocyanate to be produced at Orangeburg, S.C.	Feb. 16	48
Silicone dielectric coolant	Jan. 12	43	Budgeting a record \$72.5 million for additions, replacements and improvements in U.S. facilities	Feb. 9	26	Stockholders authorize new stock to back diversification	June 1	24
Silicone expansion program: capacity boost in Midland, Mich., medical-grade silicones project at Hemlock, Mich., structural sealants project at Elizabethtown, Ky.	Apr. 27	26	Creates subsidiary to market all products of Tennessee Eastman and Texas Eastman in Western Hemisphere; Plastic Sheet Sales Division becomes part of Eastman Chemical Products Division	Mar. 16	26	Two-for-one stock split proposed	May 4	22
Silicone heat-sink compound	Feb. 23	94	Distillation Products Industries Div. sets up new section called development laboratories	Mar. 9	87	Ethyl-Dow - wage agreement	June 29	34
Silicone resins improve semiconductor performance	June 1	108	Fast photo resist	Feb. 9	50	Ex-Cell-O Corp. - polyethylene-coated Pure-Pak carton licenses	Jan. 5	64
Silicone rubber motor encapsulant	May 18	67	Plastic sheeting division begins operations at Kingsport, Tenn.	June 15	98	Extruded Plastics - merges into Richardson-Merrell, becomes Tufco Plastics Division	Jan. 5	25
Silicone rubber, Silastic 950U	May 11	48	Polyester fiber patent fracas in Germany	Apr. 6	23			
Dow Smith Inc. - Little Rock, Ark., voters approve proposed plant and headquarters	Mar. 16	26	Polypropylene technical agreement with Showa Yuka	Jan. 26	53			
Plans to lease plant and headquarters in Little Rock, Ark., if city's voters approve bond issue to finance construction of plant	Feb. 2	26	Economy Manufacturing Corp. - grinding mill	June 22	73			
Dow Unguinea - naphtha-cracking unit - engineering contractor bids	June 15	18	Elcor Industries Quimica Electronica - acquires 50% of Plavilin with Vulcan Material Plastico	Feb. 2	46			
Dowle Dan Bernbach - Weiss, Edward, says independent druggist is on the way out	Mar. 30	32	Eldib Engineering and Research Inc. - new firm will evaluate detergent biodegradability	Apr. 27	49			
DPR, Inc. - depolymerized rubber for gasket applications	Mar. 23	36	Electric Bond and Share Co. - acquires Escambia Chemical Corp.	June 8	25			
Dravo Corp. - dividend payments increase	Feb. 2	18	Escambia Chemical deal approved by SEC	Apr. 13	19			
Dresser Industries, Inc. - Clark Bros. Co. - prime mover will use gas-lubricated bearings	Apr. 27	64	Wants to buy out co-owner of Escambia Chemical	Feb. 23	44			
Drew Chemical Corp. - acquires majority interest in Vegetable Oil Products Co.	May 4	24						
Biocides for slime, algae, and bacteria	Apr. 6	101						
Drop Dead Co., Inc. - Promise furniture polish trademark suit	Jan. 12	85						
Drug Houses of Australia - forms joint company with Baxter Laboratories to make intravenous solutions and other products	Jan. 26	53						
DuBois Chemicals - new plant at City of Industry, Calif., will consolidate operations of plant at Los Angeles and Vestal Division plant at Modesto, Calif.	June 15	26						
Duncan Supply Co., Inc. - drilling mud distribution contract with IMC	Feb. 2	18						
Dunlap Rubber - polypropylene oxide rubber research	Jan. 26	69						
Dunlop Rubber Co. - elastomeric polymers patent swap with Montecatini	Feb. 9	68						
North American Reser- 'C' Centre will occupy facilities at Co. Research Community	Feb. 2	53						
Dunlop Tire & Rubber Corp. - wage agreement at Buffalo, N.Y.	June 29	34						
Du Pont, E. I. de Nemours & Co. - AEC's Savannah River project contract - extension sought	June 15	26						
Buff-and-spray system for polishing floors	June 1	108						
Chase, Thomas, heads Houston's Manufac-								

Fairfield Chemicals, a division, moves its headquarters	Apr. 20	26	Ford Motor Co. - Electric Autolite Div. - vinyl film products antitrust suit	Apr. 13	27	Research Laboratory develops new lubricant additive	Jan. 26	70
Inorganic Chemicals Div. - long-chain glassy phosphate	Feb. 23	93	Laser discharge stored in spinning mirror	May 4	56	Silicone antifoam agents line enlarged	Mar. 23	66
Inorganic Chemicals Div. - metachloroperbenzoic acid	Feb. 23	93	Forest Fiber Products Co. - acquires Northwest Petrochemical Corp.	Feb. 2	26	Silicone release coating aims at PE-coated milk and juice container market	Jan. 5	64
Inorganic Chemicals Div. - organic intermediate: amino HMI	Apr. 6	101	Forest Products Laboratories of Canada - dimethyl sulfoxide (DMSO) pulping process	Jan. 5	52	Solid state totalizer (SST-1) called Pulsar	Feb. 16	47
Inorganic Chemicals Div. - persuades printed circuit makers to use ammonium persulfate on boards made with tin-nickel "wire"	Jan. 26	25	Formica Corp. - plastic-laminate-clad doors and kitchen cabinets	May 18	72	Space Technology Center - high-altitude flight research	Mar. 23	39
John Bean Div. - hydrostatic tester	Apr. 13	91	Fosbelaget - acquires site in Landeskrona for plastics plant	Apr. 6	51	Terephthalic acid process development	Feb. 23	99
Niagara Chemical Division - fungicide called Polyram	June 1	108	Foster Grant Co. - petrochemical plant being built at Baton Rouge, La.	Mar. 2	26	General Mills - nine new dinner diamines	Mar. 23	77
Niagara Chemical Div. - miticide licensed from Hoechst	Mar. 23	35	Foster Grant Polyolefins - polyethylene plant taken over by Mobil Chemical	Mar. 30	25	Nonionic dialdehyde vegetable gums	May 4	55
Progress report on upgrading coal to liquids and gases	Apr. 13	69	Foster Wheeler Corp. - builds Dimmitt, Tex., ammonia plant for Western Ammonia	June 1	31	Vegetable gums for paper manufacturing trials	May 11	48
Sales and earnings	Feb. 23	35	Fotochrome Inc. - pay-as-you-copy plan initiated	Feb. 2	64	General Plastics - flexible, microporous Teflon in developmental stage	June 29	48
Soda ash-from-trona patent battle looms	May 11-20	21	Frank, J. P. Chemical & Plastic Corp. - Atlantic Refinery acquires complete control	Apr. 20	26	General Plywood - plywood and coated abrasives antitrust suit	Mar. 23	24
Sodium hexametaphosphate project at Lawrence, Kan.	June 22	61	Franklin Arsenal - new lubes resist potent liquid rocket fuels	Apr. 6	70	General Precision - Aerospace Research Center - Daniel Grafstein named head	Mar. 9	87
Factor, Max, & Co. - merger negotiations with Lanvin-Parlums	June 22	26	Freeport Sulphur - spends some "loose" cash, acquires Southern Clays, Inc.	June 15	17	General Telephone & Electronics - liquid laser based on europium in an organic chloride	Mar. 2	51
Fairchild Camera and Instrument Corp. - Semiconductor Div. - instrument tester	Feb. 2	66	Frontier Chemical - ammonia plant at Wichita, Kan., onstream	Mar. 2	62	General Tire & Rubber Co. - granted status of "integrated factories" by Central American Common Market	Mar. 9	31
Fairmont Chemical Co. - hydrazine plant at Newark, N.J. - expansion plans	Feb. 16	20	Autothermal reforming used in ammonia plant	Mar. 30	49	Nautolex vinyl fabric trademark infringement	Apr. 13	42
Falls Industries Inc. - acquisition by Basic Inc., proposed	Mar. 16	26	Fuller, W. P. - aerosol paints move into 11 Western states	Jan. 26	85	Polyether-urethane foam process patent	Mar. 16	23
Fansteel-Hoboken - joint venture of Fansteel and Societe Generale Metallurgique, will produce refractory metals	Jan. 5	25	Futehalby Chemicals Ltd. - wetting agents and synthetic detergents project with British Burma Shell	Mar. 9	37	Polyether-urethane foam patent - licensing policy and royalty fees set	June 29	47
Fansteel Metallurgical Corp. - Belgian refractory metals venture with Societe Generale Metallurgique de Hoboken	Jan. 5	25	- letter	Mar. 30	10	Polypropylene oxide rubber samples out on test	Jan. 26	69
Far East International Corp. - codefendant in drug sales kickback case	Mar. 16	36	GF Chemicals Corp. - polypropylene filaments for hosiery and knitwear	June 8	24	United Kingdom issues patent for oil extended rubber process	Feb. 2	46
Farbenfabriken Bayer AG - Bayer Aspirin trademark suit decision	Mar. 2	28	Gallard-Schlesinger Chemical Mfg. Corp. - cellulose ion exchangers	May 18	67	Geophysics Corp. of America - looks for broader uses of ultraviolet sources	Mar. 9	82
Build Germany's tallest building	Apr. 27	67	Indazole intermediates	May 15	51	Georgia-Pacific Corp. - acquisition of outstanding stock of St. Croix Paper Co. and Vanity Fair Paper Mills proposed	Jan. 12	25
Electrolytic chlorine plant to be built by Hoechst and Uhde	Apr. 6	51	Low-optical-density cesium chloride	May 4	69	Crossett Div. - residents of Crossett, Ark. will vote on bond issue to finance new facilities	Mar. 2	26
Financial report shows 10.8% sales increase	Apr. 27	84	Garlock, Inc. - California Division sold to Reinhold	June 1	31	Expansion of Toledo, Ore., paper mill planned	Mar. 23	26
Netherlands dye venture announced	Jan. 12	57	Geigy Chemical Corp. - antioxidants for polypropylene	Mar. 30	51	Formaldehyde plant onstream at Coos Bay, Ore.	Feb. 9	77
Polypropylene dyestuffs	May 4	69	Geigy Dyestuffs - reactone dyestuffs	Feb. 23	57	Merging with Puget Sound Pulp & Timber	Apr. 27	26
Farbwerke Hoechst AG - acquires Lloyd Brothers	Jan. 5	67	Geiso Ltd. - plastic soap	Mar. 2	42	Plywood antitrust complaint	Mar. 23	24
Electrolytic chlorine projects with Uhde	Apr. 6	51	General American Oil Co. - owns 25% of Premier Petrochemical, new urea producer	Jan. 19-20	27	Glitter - fluorocarbon-coated razor blades patent	Apr. 27	59
Electrolytic process makes chlorine from hydrogen chloride	Apr. 30	49	General American Transportation Co. - explosion damages suit	June 15	40	Girdler Corp. - ammonia plant to be built for Odessa Natural Gasoline at Odessa, Tex.	June 8	24
Financial report shows 8% sales increase	Mar. 23	56	General Aniline & Film Corp. - acetylene-treated cotton research contract	June 15	80	Glass Research Inc. - glass spheres	June 15	52
Forms joint company with Hamer-Holding to acquire Thermapol N.V.	Apr. 27	75	General Dyestuff Co. - polyester fiber dyes	Mar. 2	42	Glidden Co. - expands staff, equipment and facilities at Hawkins Point, Md.	June 1	128
High-density polyethylene plant to be built in Australia	Apr. 27	75	Makes first presentation before a group of financial analysts	Jan. 26	25	Glidden Oil Co. - acquisition by Witco Chemical	June 8	25
Joins in Spanish petrochemical project	Mar. 23	35	- letter	Feb. 16	6	Goliad Corp. - acquired by Mobil Oil Co.	Jan. 12	23
Miticide licensed to FMC	June 15	52	Sale of government stock may be delayed	Jan. 19	30	Gollob Analytical Service, Inc. - will serve gas analysis requirements of the chemical, electronics and metallurgical industries	Jan. 5	44
Reactive dyes licensed to Du Pont	Feb. 16	47	Sale of government stock - Sen. Keating and Nicholas Katzenbach confer	Feb. 16	6	Goodrich, B. F. Co. - expands Marietta, O., plastics products plant	May 11	26
Reactive dyestuff line to be made and sold by Du Pont	Apr. 6	101	Sale of government stock - out-of-court settlement with Interhandel proposed	Feb. 23	35	Financial and technical assistance for Indian polyvinyl chloride project	Mar. 2	33
Farnow Inc. - bodied-oil, maleinized soy vehicle for paints	May 25	43	Sale of government stock - Justice Dept. and Interhandel negotiate settlement	Mar. 2	27	Keener, J.W., predicts good year for rubber industry	Jan. 5	63
Farris Flexible Valve Corp. - flexible valve	Apr. 6	23	Sale of government stock - Interhandel shareholders agree deal	Mar. 9	25	Tire-testing center built at Brecksville, O.	Jan. 5	64
Faserwerke Huels - polyester patent fracas	May 4	23	Sales and earnings; criticism of U.S. - Interhandel settlement	Apr. 6	18	Wohlgemuth, Donald, space-suit expert and former employee, seeks right to work for competitor	Apr. 27	38
Federal-Gas Hills Partners - acquires Vitro Minerals' Wyoming uranium properties, takes over business of Susquehanna-Western mill at Riverton	June 1	30	Werner, Jesse, previews company's fast-growth plan	Mar. 16	19	Trade secrets victory	June 1	30
Federal Mogul Corp. - packaged unit recovers process chemicals from cyanide-plating rinse waters	Mar. 30	43	General Dynamics Corp. - Liquid Carbonic Div. - cryogenic pump	Mar. 23	20	Goodrich, B. F., Industrial Products Co. - armored hose	Jan. 12	43
Feller Chemical Corp. - insect control unit adopted for swimming-pool and patio use	Feb. 9	75	TFX controversy	Mar. 2	41	Goodrich Chemical Co. - Argentine synthetic rubber plant moves ahead	June 15	33
Fement-Acid Corp. - citric suit: new ruling, same result	Apr. 13	27	General Electric Co. - Advanced Technology Laboratory established at Schenectady, N.Y.	May 18	25	Pelletized polyvinyl chloride producer urges caution in adoption of powder processing	June 29	70
Ferro Corp. - Color Div. - glass stains	May 18	68	Advanced Technology Laboratory is heat-developable plastic film is sensitive to light	Feb. 23	116	Goodrich-Gulf Chemicals Inc. - Matthews, David L., new executive vice-president and member of board	May 4	23
Goldsworthy Engineering Division set up to build equipment for the manufacture of reinforced-plastic vessels	Feb. 23	45	Aluminum lubricants to be marketed by Houghton under CINDOL trademark	June 1	125	cis-Polybutadiene in oil-extended form	June 29	58
Vinyl stabilizers	Feb. 2	66	Builds unit to house space reactor development projects at its Vallecitos Atomic Laboratory	June 29	48	Research center considered for Independence, O.	Feb. 9	64
Fiber Industries, Inc. - Fortrel polyester fiber producer	June 29	24	Computer control system offered at low cost	Jan. 5	44	Stereo rubber know-how licensed to Japanese firm	May 18	18
Fibrous Glass Products, Inc. - big payoff from small glass plant	Jan. 5	68	Electrical catalysis to make gasoline progress report	June 29	47	Waste water effluent plant under construction at Institute, W. Va.	June 15	18
Filtrol Corp. - stockholder's dividend suit turned down	May 25	174	Fuel cell operates at moderate temperatures on wide range of hydrocarbons	Apr. 13	69	Goodstein Oil and Gas - acquired by American Metal Climax	Jan. 26	18
Firestone Synthetic Fibers - fine-denier nylon yarn expansion at Hopewell, Va.	Mar. 23	102	Fuel cell operating on natural gas has been successfully tested	May 11	56	Goodyear Chemical - nitrile polymer, Chemigum N625X	Feb. 2	66
Firestone Tire and Rubber Co. - debenture sale; synthetic rubber capacity	June 29	25	Hanford Laboratories - CSREX process extracts hard-to-remove fission products from nuclear fuel process wastes	Jan. 5	45	Goodyear Tire & Rubber Co. - acrylonitrile rubbers, Chemigum N300 and Chemigum N615; polybutadiene elastomer, Pliflex 5800	Jan. 5	36
Fischer & Porter Co. - instrument technology swap with Japan's Hokushin	Mar. 2	52	Irradiation Services and Products Section set up in Atomic Power Equipment Dept.	May 18	63	Specialty blending resin, Pliflex M90, for use in plastisols	May 25	114
Fish International - Argentine petrochemical project - guarantee deal	Mar. 2	28	Lamp Glass Dept. - translucent alumina called Lucalox - translucent alumina called Lucalox	Feb. 23	110	Gove Bauxite Corp. - Australian aluminum project with Pechiney	Mar. 2	33
Fisher Scientific Co. - culture media	June 1	107	Light Military Electronics Dept. completes applications lab for thin-film micro-electronic circuits	Mar. 2	51	Grace, B. R. & Co. - ammonia plant completed at Big Spring, Tex.	June 29	57
Laboratory detergent	Apr. 6	101	Mass flowmeter used for custody transfer	Mar. 9	87	Becomes partner with Union Carbide in Brazil's Vulcan Material Plastico	Feb. 2	46
Fisons Ltd. - acquires U.S. gardening equipment firm, Doggett-Pfeil; opens fertilizer plant in Belgium	Feb. 16	26	New process uses electrical field to break oil-in-water colloidal suspensions	Apr. 13	94	Common stock issued for acquisition of Dairiann	Feb. 23	36
Phosphoric acid plant at Immingham to be built by Bradley Pulverizer	June 22	37	Promethium-147	Apr. 20	72	Contributes nuclear feed materials for nuclear fuels reprocessing plant	June 1	23
Sulfuric acid plant to be built at Immingham	June 29	26	Refractory metals plant at Euclid, O. - dedication	May 18	67	Cosden negotiations off	Mar. 9	17
Flatow, R. E., & Co. - distributor for Ingram-Bloch	Jan. 5	67	Research findings provide new insight into properties of plastics	May 11	59	Cosden Petroleum and Panagra holdings to be sold, proceeds will finance chemical expansion	Feb. 2	17
Flexrock Co. - Teflon packing for emergency service	Apr. 27	56	Research Laboratory claims new high-field record for superconducting magnet	June 1	104	Davison Chemical Div. - beer stabilization product	May 18	17
Flodyne Controls, Inc. - cryogenic valve	Feb. 23-94	70		June 22	56		Feb. 9	50
Flo-Tronics, Inc. - Air Conveyor Div. - tank level-meter	Apr. 20	84						
Fluor Corp. - acquires oil and gas properties of Nassau Associates	Jan. 19	27						
Fluorocarbon Co. - Teflon bonding kits	Jan. 19	65						
Food Fair Stores - trading stamps given with drug purchases	Feb. 2	64						
Foot Mineral - lithium sales up	May 4	64						
Ford Foundation - resources study - closeup - year 2000	Apr. 13	86						

Davison Chemical Div. - lawn-care service bucks do-it-yourself trend, ties in with fuel oil dealers	Apr. 27	47	Hazleton-Nuclear Science Corp. - establishes new department in behavioral engineering	Feb. 9	64	Household Finance Corp. - will issue stock to acquire Budge Paint & Hardware	Apr. 20	26
Davison Chemical Div. - silica gel for use in porcelain enamel "alips"	Apr. 27	56	Heat Transfer Research, Inc. - research headquarters to be established at Alhambra, Calif.	Feb. 23	114	Houston Chemical - Pittsburgh Plate Glass assumes responsibility for debt	Feb. 16	19
Davison Chemical Div. - silica gel pellets for use as a packaging desiccant	May 11	48	Heimer Chemical Co. - dry sulfuric acid project	Jan. 12	61	Houze Glass Corp. - Aerojet acquires glass-fiber R&D facilities and patents	Apr. 6	27
Dewey and Almy Chemical Div. - Automotive Products Group formed	Jan. 5	67	Heraeus, W. C. GmbH. - electron beam equipment venture with Stauffer	Apr. 13	26	Howards of Ilford - cyclohexanol and cyclohexane project	Mar. 9	37
Dewey and Almy - Saran latex prices, expansion at Owensboro, Ky.	Apr. 20	96	Hercules Powder Co. - crabgrass control called 9573	Jan. 19	52	Howe Sound Co. - West Canadian copper and timber properties acquired by Anaconda Co. (Canada)	Jan. 26	27
Dewey and Almy Chemical Div. - synthetic leather for shoe uppers	May 18	17	Delaware court absolves company in death of construction worker	Feb. 2	73	Hudson Gas & Oil Corp. - principal assets acquired by San Jacinto Petroleum and Dorchester Gas Producing	Jan. 12	23
Hatco Chemical Div. - phthalic anhydride plant due onstream at Fords, N.J.	Jan. 26	85	Earnings - up, not down - letter Granlee status of "integrated factories" by Central American Common Market	Mar. 9	31	Humble Oil & Refining Co. - employee layoff coming at Baton Rouge, La.	Mar. 16	52
Hatco Division will not shut down Badger-process phthalic anhydride plant at Fords, N.J. despite opening of Chemiebau process unit at same location	June 1	121	Heads for harder sell under Henry A. Thouron	Jan. 26	26	Gas processing plant in Dover-Hennessey field of Oklahoma - capacity boost	Apr. 27	26
Microspheroidal silica gel	Apr. 6	101	Japan approves dimethyl terephthalate venture with Teijin	Feb. 16-19	57	Interior Dept. weighs oil shale bid	Apr. 13	69
Nuclear fuel reprocessing plant - ground-breaking ceremony	June 22	24	Nitrogen tetroxide expansion at Hercules, Calif.	Mar. 16	26	Molecular sieve processing developments	Jan. 26	37
Pan American-Grace Airways' interest to be sold	Apr. 27	17	Norbornyl urea herbicide, Herban	Apr. 20	81	Natural gas processing plant being built at Garden City, La.	Mar. 30	25
Phosphoric acid and fertilizer project near Bayonne, France	May 25	34	Polaris A-2 missile - second-stage motor contract	Feb. 16	25	Reitelle, C.E. discusses engineer shortage and education	June 8	37
Polymer Division may get into polypropylene production	May 18	17	Polypropylene fiber plant expansion at Covington, Va.	Feb. 16	57	Smith-Douglass acquisition rumors	June 8	20
Promotes professional eye care to stockholders	Apr. 27	38	Polypropylene fiber sales training film for carpet salesmen	June 1	122	Humphreys & Glasgow, Ltd. - bids for Russian ethylene plant contract	Apr. 27	82
Sale of steamship subsidiary rumored	Apr. 6	18	Polypropylene fibers in three new colors	June 22	74	Ethylene feed plants to be built for the Soviet Union	May 11	28
Sales of chemical group are more than 50% of firm's total sales	Mar. 23	17	Polypropylene film plant start up at Covington, Va.	June 29	57	Hydcarbon Research Inc. - trade secrets suit with Universal Oil Products	Mar. 9	22
Wah Chang acquisition - financial hitch could scuttle deal	May 25	33	Sales and earnings	Jan. 26	18	Hydrosol, Inc. - computing totalizer	Feb. 2	66
Washington Research Center at Clarksville, Md. - expansion	Feb. 9	68	Sprint missile propulsion system contract	May 11	26	Hysol Corp. - room-temperature-vulcanizing silicone rubbers	Apr. 27	55
Granite Hosiery Mills - polypropylene hose for women	June 8	24	Strike threat over	Apr. 27	40			
Graphite Specialties Corp. - acquisition by Basic Inc., proposed	Mar. 16	26	Tail oil fractionating plant at Portland, Ore. will buy crude tail oil from West Coast kraft mills	June 15	97			
Great Lakes Biochemical Co. - cleaning agent for sand and diatomite swimming-pool filters	Feb. 9	75	Thouren, Henry A., new president	Jan. 19	25	ICI (New York) - new name of Imperial Chemical Industries (New York)	June 29	25
Great Lakes Carbon Corp. - cost of high-purity graphite anodes for mercury cells drops	Jan. 12	67	Herculte Protective Fabrics Corp. - fluorescent vinyl-nylon fabric, Color-Guard	Mar. 2	41	ICI (Organics) - new name of Arnold, Hoffman Idenitso Kusan - petrochemical plants at Tokuyama	June 29	25
Wage agreement	May 18	81	Heritage House - tackles garden chemicals field	Feb. 23	121	Imperial Chemical Industries - Allen, P.C., opens "Interplas" exhibition	May 18	37
Great Lakes Chemical Corp. - hydrobromic acid unit onstream at Filer City, Mich.	June 15	98	Hess, Adolph, & Bros. - Nopco product-manufacturing facilities taken over by Nopco Chemical	Feb. 9	37	Ammonium sulfate monopoly comes to end	June 22	62
Trades on bromine know-how to advance its position in U.S. business	Feb. 2	68	Hess Oil & Chemical - acquires refining and marketing facilities and assets of Delhi-Taylor	Feb. 2	23	Arab League slaps ban on firm	Mar. 23	18
Great Southern Chemical Corp. - dissolved	Feb. 2	26	Completes acquisition of Delhi-Taylor Oil's refining and marketing facilities	Apr. 13	28	Closes down Alkali Division plant at Burnt Lake	May 11	28
Greer Hydraulics, Inc. - Greer Oiler Products - micron filter	Mar. 9	55	Heyden Newport Chemical Corp. - acquisition by Tennessee Gas Transmission tentatively approved	June 29	25	Closure of ICI - report	May 15	62
Guaranteed Sanitation Co. - acquired by Diversy Corp.	Feb. 16	25	Converts part of its maleic anhydride plant at Fords, N.J., to phthalic anhydride production	May 4	64	Completes first hydrogen plant using steam-naphtha reforming process	May 11	54
Guard Chemical Co. - acquired by Alcolac Chemical	Feb. 23	127	Tennessee Gas Transmission moves to acquire firm	June 8	20	Dyestuff intermediates expansion	Feb. 9	37
Phenyl mercury fungicides	June 15	51	Wood naval stores plant to be built in Oregon	Apr. 13	80	Ethylene oxide and polyethylene project with Spain's Calvo Soleto	Apr. 27	75
Guardian Chemical Corp. - nonstaining iodine germicide, Iodosec	Mar. 9	56	High Vacuum Equipment Corp. - vacuum furnace	Mar. 23	35	Expansion projects: nylon polymer plants at Wilton and Billingham; automated polyethylene bags plant	Jan. 26	53
Gulf Oil Corp. - alpha-olefins to be produced commercially at Port Arthur, Tex.	Jan. 12	72	High Voltage Engineering Corp. - power supply units	June 29	39	Financial report for '62	Mar. 16	42
Closes loop on fluidized cat cracker at Philadelphia refinery	Mar. 30	50	Hindustan Salts Ltd. - Indian government asks firm to procure Sambar salt and sodium sulfate plant	June 22	37	General Chemicals Division and Alkali Division will merge	May 25	95
Glass propping agent for hydraulic fracturing	June 22	49	Hissmors - Ostersund sulfite plant may be sold to Norlands Skogsagares Cellulosa	May 11	28	High-stability plastic dye	Jan. 5	36
Hydrocracking process licensed to Wilshire	June 29	48	Hodogaya Chemical Co. - hydrogen peroxide process licensing negotiations with Laporte Industries	June 29	26	Melinex film to be marketed in Canada	Feb. 16	58
Legal proceedings underway to stop refinery project at Bilbao, Spain	Feb. 16	26	Hoffman-La Roche - Ray Ewing Div. - vitamin premix blending plant moved from Lancaster, Pa. to Delmar, Del.	Apr. 13	28	Mexican polyethylene resins project with Pemex and Celulosa y Derivado	June 15	61
Secondary stock offering proposed	Apr. 27	26	Research and employee services center being built at Nutley, N.J.	Feb. 23	114	Nylon polymer expansion program	Mar. 30	58
Gulf Reduction Corp. - aluminum capacity doubled at Houston	Mar. 2	24	Vitamin prices	Feb. 9	78	Plastics products venture with Yorkshire Imperial Metals	June 22	37
Gulf Resources - acquires Delhi-Taylor's ownership in Natural Gas Gathering	Feb. 2	23	Hoke, Inc. - ball valves	Mar. 2	41	Polyester film patent fracs in Germany	Apr. 6	23
Gulf Sulphur - production, sales, earnings up in '62	Mar. 23	18	Hokushin Electric Works Ltd. - instrument technology swap with Fischer & Porter	Mar. 2	52	Polyester film marketing agreement with Celanese	June 29	24
Guyot, Hubert A. - breach of contract suit against Haves	Jan. 5	58	Holly Sugar Corp. - debenture sale, proceeds will finance sugar beet processing plant near Hereford, Tex.	Apr. 6	27	Red China official visits plant	Apr. 6	51
			Homestake Mining - proposes consolidation of uranium mines with United Nuclear	Apr. 6	18	Spain approves petrochemical project	June 1	32
			Homestake-Sapin Partners - may consolidate uranium activities with those of United Nuclear and Homestake Mining	Apr. 6	18	Thermoplastic sheet called Vulkite A	Mar. 9	56
			Hooker Chemical Corp. - acquires 55% interest in Parker Bondrite (Aust.) Pty. Ltd.	Apr. 6	18	Wage increases	June 8	26
			Argentine subsidiaries merge	June 22	37	Imperial Chemical Industries of Australia and New Zealand Ltd. - sulfuric acid plant to be built at Yarraville, Victoria	Mar. 9	37
			Benzoyl chloride plant at Niagara Falls, N.Y. - modernization and expansion	Apr. 27	71	Imperial Chemical Industries (New York) - changes name to ICI (New York)	June 29	25
			Bisphenol process licensed to U.S. firm	Mar. 2	51	Imperial Oil Co. - joint collective bargaining drive	Feb. 16	40
			Chairman F. Leonard Bryant and President Thomas Willers map routes for growth	June 15	25	Opposes hike in Canadian antiknock additive tariffs	Jan. 5	60
			Durex Plastics Division - wage agreement	June 29	34	Industrial Biochemicals Inc. - sodium gluconate producer tests Trade Adjustment Assistance Provision	June 8	29
			Durex Plastics Div. - participants in illegal walkout get benefits	Apr. 6	32	Industrial Bio-Test Laboratories, Inc. - builds toxicological laboratory, expands administration building at Northbrook, Ill., buys farm for use in testing ag-chemicals	Jan. 5	44
			Eastern Chemical Div. - benzoyl chloride expansion at Niagara Falls, N.Y.	May 4	24	Industrial Chemical Specialties Corp. - aerosol ether	Mar. 2	42
			Expands Niagara Falls, N.Y., chemical complex	June 22	18	Industrial Engineering Corp. - Plastics Div. - resilient, synthetic-foam cylinder for cleaning pipes	Apr. 6	102
			Flame retardant gets big push in ethylene-propylene rubber	Feb. 16	48	Industrial Technics, Inc. - ball floats	Apr. 20	81
			Phenolic materials for use in packaging miniaturized electronic equipment	Jan. 5	42	Information for industry Inc. - magnetic tape file of chemical industry patents	Jan. 19	29
			Phosphine process uses new cell	Feb. 23	100	Ing. Mario Ballestra & Co. - sulfur-to-syndet processes battle	June 29	51
			Weed killer, Tritac	Jan. 19	52	Ingersoll-Rand Co. - air dryer	Apr. 20	84
			Hoover Ball & Bearing Co. - Dow acquires three of four manufacturing plants	Feb. 9	18	Vertical, in-line centrifugal pump	Mar. 9	65
			Homefors - Vasterbotten sulfite plant sold to Norlands Skogsagares Cellulosa	May 11	28	Ingram-Bloch Corp. - appoints Flaw as West Coast distributor	Jan. 5	67
			Hoskins Manufacturing Co. - tungsten tubing	Feb. 23	93	INI - starts legal proceedings to stop Cepsa Gulf refinery project at Bilbao	Feb. 16	26
			Houghton, E. F., & Co. - will market GE's aluminum lubricants	June 29	48	Integral Motor Pump Corp. - high-temperature pump	Jan. 12	43
			House of Tre-Jur - acquisition by Maradel	Apr. 20-26	June 15	Interchemical Corp. - Color and Chemicals Division - Hawthorne, N.J., plant expansion	June 22	26
						Imine and chloride intermediates	Apr. 27	55
						Propyleneimine production	June 29	23
						Interhandel - GAF case: Justice Dept. tries to negotiate out-of-court settlement	Mar. 2	27
						GAF case settled	Mar. 9	25
						Stockholders approve GAF deal	Apr. 6	18

International Business Machines - audio signals have been transmitted over a light beam generated by an injection laser	June 1 92	Jorgensen, Roy, and Associates - developing nonchemical means of preventing or removing snow and ice	Apr. 20 37	Thermosetting resins research	Jan. 5 42
Data Processing Division - microfilm aperture card equipment uses thermal film	June 1 125			Wood Preserving Div. - cellon-treated wood	May 10 64
Experimental machine translates Chinese into English	June 8 47			Krystall Laboratories, Inc. - barbituric derivatives	Jan. 26 91
Injection laser uses indium phosphide	May 11 99			Krystall Chemical Corp. - amide series	Feb. 23 93
Optical transistor developed	Mar. 16 64			Kurashiki Rayon - vinylon plant export contract negotiations with Red China's National Technology Corp.	June 8 26
Unit operations simulation program for engineering design	Mar. 9 62			Vinylon plant export deal with Red China	May 25 90
International Harvester Co. - Wisconsin Steel Works will use basic oxygen furnaces	Jan. 12 25	K & K Laboratories - moves headquarters and analytical control section to Plainview, L.I., N.Y.	May 25 56		
International Helium Co. - helium plant to be built in Saskatchewan; negotiates for assets of Coast Exploration	Apr. 27 75	Kaiser Aluminum & Chemical Corp. - aluminum extrusions project at Sherman, Tex.	June 1 31		
International Lax Corp. - Goodrich appeals ruling that would permit a former employee and spouse suit expert to work for its competitor	Apr. 27 30	Aluminum production cutback at Mead, Wash.	Feb. 9 78	LIRC - Itaconyl licensing agreement with Pfizer	Mar. 30 58
Trade secrets victory for Goodrich	June 1 30	Kaiser Chemicals Div. gets first president, Stanley White	Mar. 23 102	L & R Manufacturing Co. - ultrasonic cleaning solutions	Jan. 26 92
International Minerals & Chemical Corp. - barite exploration in Washington County area of Missouri	Jan. 12 25	Lithium carbonate project with Leprechaun Mining - agreement terminated	Jan. 12 43	Labatt, John - acquires Delmar Chemicals	Mar. 30 58
Consolidates: (1) agricultural products production; (2) sales and marketing of agricultural products; (3) development of new overseas ventures	Mar. 2 26	Ravenswood, W. Va., plant will use new glass-armored rubber hose	Jan. 12 43	Lammott Chemical Products Co. - portable pool-water laboratory kit	Feb. 9 75
Drilling-mud companies consolidated; distribution contract with Duncan Supply	Feb. 2 18	Terminates interest in Leprechaun's lithium-potash properties	May 4 64	Lanvin-Parkins, Inc. - merger negotiations with Max Factor	June 22 26
Indian partnership - letter	Feb. 16 16	Transfers electrical engineering research and development facilities to its Newark, O., wire and cable plant	Jan. 5 44	Laporte Industries, Ltd. - cyclohexanol and cyclohexane project	Mar. 9 37
Industrial Minerals Division - pure silicas	June 15 51	Kaiser Engineering - liquid hydrogen plant to be built for Linde at Sacramento, Calif.	Feb. 9 26	Hydrogen peroxide process licensing negotiations with three Japanese companies; peroxide plant to be built in Botany, Australia	June 29 26
Potash beneficiation method may double reserves at Carlsbad, N.M., mine	Apr. 20 76	Kaiser Gypsum buys gypsum ore deposit in Nova Scotia	May 11 26	Titanium dioxide project at Mojave, Calif. - 15% ownership dropped	Apr. 13 28
Potash mine near Esterhazy, Sask.	Jan. 19 61	Kaiser Steel Corp. - pay bonus at Fontana, Calif.	June 29 38	Laramay Products Co. - stainless-steel-clad elements for plastic welding torch	May 25 43
Second shaft planned; phosphate mine and plant to be built at Soda Springs, Ida.	May 4 24	Kalium Chemicals, Ltd. - solution mining of Saskatchewan potash moves closer	Mar. 23 17	Lasco Industries - builds addition to plant and headquarters building to increase capacity for plastic panels, pipe	Jan. 5 25
Suspension fertilizers study	Jan. 19 61	Roger gets contract - Steamers	May 4 17	Lawrence Radiation Laboratory - periodic table for nuclear particles proposed	Jan. 12 62
International Nickel Co. of Canada - laboratory to be built at Ontario Research Community	Feb. 2 53	Kalvar Corp. - thermal film used in data storage systems	June 1 125	Lawson Chemical Products Co. - aerosol plant completed	Mar. 23 66
International Packers Ltd. - Armour will sell part of its interest	June 15 26	Kao Atlas - joint subsidiary of Atlas Chemical and Kao Soap, approved by Japanese government	May 25 95	Lederer Chemical Co. - printing ink resin	Apr. 6 101
International Paper Co. - construction program at Natchez, Miss., mill	Apr. 13 28	Kao Soap Co. - chemicals venture with Atlas Chemicals	May 25 95	Lederer Chemical Co. - merger with Cindet Chemicals	Jan. 19 27
Expands mill at Moss Point, Miss.	June 29 25	Kapton Laboratories - vinyl bromide available	Jan. 26 91	Leeds & Northrup Co. - strike settled	Jan. 12 83
Southern Kraft Division - labor negotiations	June 1 44	Karagheusian, A. & M., Inc. - polypropylene carpet maker	Feb. 16 57	Lehn & Fink Products Corp. - Lysol disinfectant in spray form	Mar. 23 36
International Pipe and Ceramics Corp. - absorbs du Verre Inc., a subsidiary, into its Corrosion Control Division	Feb. 23 45	Karsstrom Co. - volumetric filler	Feb. 9 49	Leprechaun Mining and Chemical - Kaiser terminates interest in lithia-potash properties	May 4 64
Ceramics research center planned	Apr. 20 42	Kaweck Chemical Co. - aims for another sales record this year	June 15 25	Lithium carbonate project at Silver Peak, Nev. - agreement with Kaiser terminated	Mar. 23 102
International Pulp and Paper - Philippine kraft paper and newsprint project with Soriano	Feb. 23 57	Makes 35,180-ft. superconducting wire of columbium and zirconium	Apr. 6 69	Lerner Packaging Corp. - acquires Multiple Products Corp.	May 11 26
International Salt Co. - evaporated salt expansion at Watkins Glen, N.Y.	Jan. 19 62	Kellogg, M. W., Co. - catalytic process makes chlorine from hydrogen chloride	Mar. 30 49	Leslie-Agriform Corp. - new subsidiary of Leslie Salt and Agriform Chemical, will research, develop and market new types of fertilizers	Feb. 23 45
Sodium chloride additives patent infringement suit settled	Mar. 2 26	Hydrogasification of coal program	May 25 113	Planting tablet, Blue Chip, fertilizes without burying roots	Apr. 27 50
International Synthetic Rubber - diene-type polybutadiene to be produced in Scotland	Mar. 23 23	Research and development center to be built at Piscataway Township, N.J.	Feb. 9 64	Leslie Salt Co. - fertilizer subsidiary established with Agriform Chemical	Feb. 23 45
Internationale Gas Transport Maatschappij N.V. - gas from the Netherlands to other European countries	June 8 26	Kelly Girl Service - launches program to supply temporary personnel for sales campaigns	Mar. 23 64	Lestoll Products, Inc. - acquires C. M. Kimball Co.	June 15 26
Interstate Electronics Corp. - instrument calibrator	Mar. 9 55	Kendall Co. - Bauer & Black Div. - research center opened at Barrington, Ill.	Feb. 9 64	Debt security issue proposed	Feb. 9 26
Interstate Enamel - marketing automotive aerosol paint line	Jan. 26 85	Kerich Petrochemicals - hydrocarbon oil plasticizer	Apr. 27 56	Dividend omitted	Apr. 13 28
Interstate Research Institute - biological research lab to be built at Champaign-Urbana, Ill., research park	June 1 128	Kent Chemical Ltd. - rare-earth solutions	Apr. 6 101	Leuna-Werke - high-pressure polyethylene plant planned; Schkopau low-pressure PE plant expansion	Jan. 26 53
Interstate Research Park Inc., Champaign-Urbana, Ill., research park under development	June 1 128	Kernac Nuclear Fuels Corp. - completes facility near Bowman, N.D., for laying uranium-bearing lignite	June 1 30	Lever Brothers - fabric softener called Final Touch	Apr. 27 52
Isochem Resins - flexible epoxies	June 29 39	Vanadium oxide from phosphate tailings	Mar. 16 23	Federal judge okays acquisition of "all" detergent	May 11 21
Flexible resins	June 29 39	Kernac Potash Co. - National Farmers outlines \$20-million potash project	Apr. 27 25	Programmed instruction used to develop sales skills	Jan. 5 26
		Kem County Land Co. - Bonneville stockholder bids further legal measures to block sale	Feb. 23 36	Lever Bros. South Africa - acquires controlling interest in Silicate and Chemical Industries, and its two subsidiaries: Sodium Chemicals and Commercial Chemicals	Mar. 9 37
		Bonneville stockholders clash over proposed sale	Jan. 12 22	Lewis & Peat, Ltd. - has interest in natural rubber and fibers	June 29 26
		Bonneville stockholders vote to accept Standard Magnesium offer	Feb. 16 19	Libbey-Owens Ford Glass Co. - float glass licensed from Pilkington	May 11 60
Jablo Plastics Industries - acquired by Monsanto Chemicals Ltd.	Jan. 26 53	Phosphate rock ore investigation in Sublette Range area of southwest Wyoming	June 8 25	Liggett & Myers - appoints agent for foreign licensing of reconstituted tobacco process	Feb. 2 64
Jan-Pacific Co. - refrigerant gas lawsuit	Apr. 13 42	Kerr-McGee Oil Industries - acquires T. J. Moss Tie Co., calls off acquisition of Chicago Mill and Lumber Co.	June 1 31	Light, L., & Co., Ltd. - amorphous arsenic	Mar. 2 41
Japan Ammonium Sulphate Export Co. - urea deal with Red China	Mar. 16 42	Smith-Douglass acquisition denied, speculation continues	June 8 19	Lilly, Eli - England will be supply center for overseas sales	June 8 26
Japanese Geon Co., Ltd. - licenses stereo rubber know-how from Goodrich Gulf	May 18 18	Smith-Douglass would result in full-line fertilizer operation	June 15 22	Lilly Research Laboratories - pharmaceutical research group set up by Eli Lilly at Liverpool, England	June 8 26
Jefferson Chemical - direct-oxidation ethylene oxide plant to be built at Port Neches, Tex.	Feb. 2 17	Kimball, C. M., Co. - acquired by Lestoll Products	June 15 26	Linde Co. - acquires option on tract near Edgewater, Fla.	Jan. 5 17
Glycol ethers plant to be built at Port Neches, Tex.	May 18 10	Kimberly-Clark Corp. - new process may improve pulp yields	June 29 47	First on-site West Coast oxygen-nitrogen plant to be built at Antioch, Calif.	Mar. 23 18
Jelms Instrument Corp. - vacuum gauge	June 1 107	Wage agreement	June 29 34	Liquid hydrogen plant at Sacramento, Calif. to be built by Kaiser	Feb. 9 26
Jersey Production Research Co. - establishes branch laboratory near Paris in collaboration with Esso REP	Jan. 5 44	Koken Kagaku - merger discussions with Showa Yuka	Jan. 26 53	Liquid hydrogen plant near Sacramento, Calif. - ground breaking	Mar. 23 26
Jervis Corp. - vinyl fabric lawsuit	Apr. 13 42	Kokusaku Pulp Industry Co. - five Japanese firms export rayon plant to Pakistan	Jan. 12 57	Liquid nitrogen contract with Aeroflot-General	Jan. 26 27
Jewel Tea, Inc. - private labeler scores in specialties marketing	May 4 58	Komline-Sanderson Engineering Corp. - Process Equipment Division forms Pressure Filter Dept. to market new filter lines	Apr. 27 56	Lithium Corp. of America - annual meeting	May 25 53
Johnson & Johnson - decal material	Jan. 5 36	Koppers Co. acquires American Cyanamid's Bridgeville, Pa., plant	Apr. 20 17	Developing lithium hypochlorite bleach	May 4 64
Johnson, S. C., & Son, Inc. - Latin American operations expanded	Feb. 16 45	Acrylic latex production plans	May 25 55	LCA lithium hypochlorite laundry bleach may be used in swimming-pools	Feb. 9 75
Low-luster furniture polish	June 29 39	Argentine polyethylene plant start-up	Mar. 23 56	Owens majority interest in Beryllium Metals & Chemicals	Mar. 23 22
Pledge furniture polish trademark infringement suit	Jan. 12 85	Brazilian made itaconyl to be marketed by Pfizer	Mar. 30 58	Little, Arthur D. - Sweeney, George, discusses fertilizer import problem	June 15 98
Johnson, W. E., Inc. - merger complaint dismissed	June 1 54	Chemicals & Dyestuffs Division - resorcinol prices	June 1 121	Lloyd Brothers - acquires National Laboratories; Farbwerke Hoechst acquires Lloyd	Jan. 5 67
Johnson's Wax International - Netherlands project announced; data-processing center to be set up for European affiliates	Jan. 12 57	Foy, Fred, proposes creation of government-owned corporation to encourage private U.S. investment in developing countries, particularly Latin America	Mar. 16 41	Lockheed Aircraft Corp. - Bush Beryllium accused of overcharging on Polaris missile subcontract	June 1 54
Joint Fire Research Organization (England) - fire-fighting by jet engine	June 22 44	Plastics Div. - paper coating latex	Feb. 23 94	Lockheed Missiles & Space Co. - consolidates advanced-program groups and its R&D center in Huntsville, Ala.	Apr. 20 42
Jomac-North Inc. - lightweight protective clothing	Apr. 20 81	Strategic Materials' stockholders will vote on refinancing proposal that would make Koppers responsible for managing concern	Jan. 26 27	Lockheed Propulsion Co. - AF contract for demonstration of vector control using jet tabs on single-segment booster	Apr. 27 30
Jones & Laughlin Steel Corp. - Graham Research Laboratory at Baldwin Hill - expansion completed	Jan. 5 44	Takes over management of Strategic Materials	Feb. 23 35		

Builds propellant research, development and testing laboratories at Redlands, Calif.	June 1	128	Merck & Co. - Aries, Robert, jailed in France - letter	Jan. 12	7	strations statement with SEC; will produce rare-earth chlorides and mischmetal at York, Pa.; prospects for new molybdenum sulfide ore body in New Mexico	May 18	23
Snuffs out rocket motor burning highly aluminum propellant	Apr. 6	69	Cuban prisoner ransom contribution	Jan. 26	5	Mona Industries Inc. - cationic surfactants	Jan. 12	43
Lockheed Research Labs - gold-plating by aerosols	Mar. 30	50	Flavoring agent, Nestle	May 4	69	Monsanto Chemical Co. - acquires complete control of Shawinigan Resins	Apr. 13	19
Lone Star Producing Co. - ammonia project at Kerens, Tex.	June 29	57	Latendresse, James, manager of organization and development	Jan. 19	43	Acquires oil and natural gas assets of Mound Co.	June 22	26
Chemical Div. plans fertilizer complex for Navarro County, Tex.	Feb. 16	58	Vitamin B12 patent infringement suit against Richter Pharmaceutical	Feb. 9	24	Ammonia plant onstream at Muscatine, Ia.	Jan. 12	71
Nitrogen products complex to be built in the Texas Blacklands area	Feb. 9-10	63	Merck Sharp & Dohme - wage agreement	May 18	81	A.V.C. Corp. will take over stock held by American Viscose	May 18	22
Plans petrochemical installation to make nitrogenous fertilizer products from natural gas	Mar. 2	26	Meridian Laboratory - current and voltage transmitter	May 25	43	Biodegradable detergent raw material production planned	June 22	18
Ludlow Corp. - acquires majority of outstanding stock of Marvillum Co.	Jan. 19	27	Metal & Thermit Corp. see M&T Chemicals Inc.	June 22	37	Chemstrand - acrylic fiber expansion at Decatur, Ala.	Jan. 12	72
Lurado Manufacturing Co. - acquired by Essex Chemical	Mar. 2	26	Metal Box Co. Ltd. - plastic film business consolidated with Shorko Packaging under new name Shorko-Metal Box	Apr. 13	91	Chemstrand - nylon tricot promotion campaign	June 8	60
Lynn Chemical Co. - moves to Lubbock, Tex.	May 11	26	Metal Hydrides Inc. - borohydrides: TEAB and TMAB compounds	Apr. 13	26	Chemstrand division - TV push for Acrilan acrylic fiber	Jan. 19	37
			Metal Industries, Ltd. - bids for Russian tire factory	Apr. 27	82	Chemstrand Ltd. - acrylic fiber plant at Coleraine, Northern Ireland - expansion	Feb. 23	57
			Metalgesellschaft AG. - polyethylene emulsions marketing agreement with Spencer Chemical	June 15	98	Compounded vinyl profile extrusion line debuts	Feb. 23	129
			Metalund Rohstoff AG. - Israeli bromides plant onstream	Feb. 23	57	Divests itself of 40% interest in Sicedison; establishes European headquarters at Brussels	Mar. 9	37
			Metalwerk Plansee - carbide parts made from "850" grade carbide, for use in ultrahigh-pressure applications	Jan. 5	36	Electronic chemicals plant at St. Charles, Mo. - expansion	Feb. 16	20
			Metalurgica Mexicana Penoles S. A. - Subsidiary will build salt cake and sodium sulfate plant at Laguna del Rey, Coahuila	Apr. 13-59	Apr. 27	Federal judge okays Lever's acquisition of "all"	May 11	21
			Metco, Inc. - nickel aluminate coating material	May 11	47	Hedley, W. H., describes physical properties of tetraphenyls as applied to nuclear reactors	Apr. 20	69
			Mettur Chemical and Industrial Corp. - will supply chlorine for polyvinyl chloride project at Mettur	Mar. 2	33	Inorganic Div. - chlorinated cyanuric acid plant at Monsanto, Ill., onstream	Apr. 13	79
			Michigan Chemical Corp. - bromoacetyl bromide	June 22	73	Iron-free alum production dropped because of import competition	May 25	152
			Pool algicide available for repackaging under private label	Apr. 27	52	May become sole owner of Shawinigan Resins	Mar. 2	17
			Velsicol Chemical acquires more than 260,000 shares in firms	Jan. 12	18	Metalurgical leach process licensing rights	May 4	55
			Velsicol increases interest	Mar. 23	17	Missouri oil lease decision reversed	Jan. 5	58
			Mid-America Pipeline Co. - expansion plans	Feb. 16	19	1962 financial results - effect of new tax directives	Feb. 2	21
			Midland Cooperatives - merging with Central Cooperatives	June 1	31	Nylon-6-6 filament yarns plant may be built in Luxembourg	Apr. 13	59
			Midland-Ross Corp. - Surface Combustion Division builds laboratory for studying heat transfer systems	June 29	44	Plasticizer called Santicizer 462	June 22	74
			Mid-South Chemical - Cities Service sells assets to Continental Oil	June 8	19	Propylene and ethylene forecast, by Norman Lewis	Mar. 30	68
			Midstates Oil Co. - minority stockholders lawsuit - final ruling	Mar. 30	36	Research and engineering functions separated	June 8	48
			Midwest Oil Corp. - acquires potash leases north of Moab, Utah	May 25	56	Rubber tester	May 18	67
			Miles Laboratories - citric suit: new ruling, same result	Apr. 13	27	Sales and earnings: Chocolate Bayou plant on schedule after three-week shutdown	Jan. 26	18
			Miller, I. - corfam polyester fiber shoes	Apr. 27	24	Sodium and calcium cyclamate sweeteners production planned	Apr. 20	18
			Miller-Stephenson Chemical Co. - industrial spray cleaner	May 15	79	Takes over stewardship of Universal Minerals & Metals' Kansas City, Mo., powdered metals plant	May 11	24
			Mold-release agent and lubricant	Mar. 9	56	Weed killer, Lambsart	Mar. 9	56
			Milmaster Chemical - Carter Products acquires 50% interest	Jan. 5	36	Wires Alabama, Coosa River, pollution case	Apr. 6	32
			Carter Products wants to buy 50% interest, Milmaster may buy Onyx Chemical	Feb. 2	18	Monsanto Chemicals Ltd. - acquires Jablo	Jan. 26	53
			Milwaukee Co. - acquired by Putex	Jan. 26	18	Plastics Industries	May 4	38
			Mine Safety Appliances Co. - gun-spraying semirigid urethane foam - new system	Jan. 12	62	Improved sales trend reported	Mar. 9	37
			Steam analyzer	Feb. 9	49	Monsanto Europe - will coordinate Monsanto's exports and European manufacturing	Feb. 2	32
			Mineral Concentrates & Chemical - beryllium processing plant at Loveland, Colo. - financial backing sought	Jan. 19	26	Monsanto Research Corp. - antiradiation drugs report	Apr. 27	60
			Mingo Oxygen Co. - Oxygen expansion	June 22	26	Perfluoro polyaromatic ethers are not suitable for fire-resistant hydraulic fluids	Mar. 16	42
			Minneapolis-Honeywell Regulator Co. - Special Systems Div. - industrial process control computer systems are first to use silicon semiconductors	Jan. 26	91	Monsanto U. K. - financial report for '62	Apr. 6	27
			Minnesota Mining and Manufacturing Co. - carbonless carbon paper patent infringement suit	Mar. 9	18	Montana Phosphate Products Co. - Douglas mine gets under way	Jan. 5-22	Apr. 27
			Ceramic microspheres containing yttrium-90 supplied to medical researchers for studies of internal radiation treatment of cancer	Jan. 5	46	Montecatini - acetylene process hassle with Diamond Alkali	Apr. 27	60
			Coated abrasives antitrust complaint by General Plywood	Mar. 23	24	Chemore discontinues imports of polypropylene film and fiber	Apr. 13	25
			Dividend opened	Feb. 23	45	Cyclooctadiene is third monomer in ethylene-propylene terpolymers	May 18	63
			Merger talks with Dyncolor Corp.	Apr. 13	26	Dutch polypropylene venture with Royal Dutch/Shell	Feb. 9	37
			Ocatiafluoropropane for use as gaseous dielectric	May 25	43	Elastomeric polymers patent swap with Dunlop Rubber	Feb. 9	68
			Plans acquisition of Dyncolor Corp.; sales and earnings	June 29	18	Management appointments	Feb. 16	26
			Mississippi River Fuel Corp. - Portland cement plant to be built near Fesbus, Mo.	June 8	25	Pesticides venture with Shell Italiana	Mar. 16	42
			Mississippi Valley Barge Line Co. - acquires interest in Water Treatment Corp.	Feb. 23	45	Polypropylene fight - Austria halts imports of Avision material	Mar. 23	78
			Mitchell Rubber Products Co. - merges with Tetrafluor to form Amerco Inc.	Mar. 23	26	Polypropylene patent cross-licensing breakthrough	June 15	21
			Mitron Research and Development Corp. - titanium welding technique	Feb. 16	75	Sales and earnings	Apr. 20	54
			Mitsubishi Heavy Industries - five Japanese firms export rayon plant to Pakistan	Jan. 12	57	Spain approves petrochemical project	June 1	32
			Mitsubishi Shoji - five Japanese firms export rayon plant to Pakistan	Jan. 12	57	Montesbell - joint venture of Shell Italiana and Montecatini, will sell and distribute pesticides in Italy	Mar. 16	42
			Mitsui Polychemical - polyethylene capacity increase planned	Feb. 16	26	Moss, T. J., Tie Co. - Kerr-McGee acquires outstanding stock	June 1	31
			Mobil Chemical - Kreider, Rae, Jr., vice president for planning and development	Jan. 19	43	Mound Co. - oil and natural gas assets sold to Monsanto	June 22	26
			Mass flowmeter used for custody transfer	Apr. 13	94	Mountain Fuel Supply Co. - phosphate leases in Idaho's Georgetown Canyon	June 1	31
			Terephthalic acid plant planned, acquires Olin's terephthalic, BHT, and isophthalic processes	Jan. 26-69	Jan. 12	Multi-Metal Wire Cloth Co. - Teflon filter cloth	Jan. 5	35
			Mobil Oil Co. - acquires Goliad Corp.	Feb. 23	99	Multi-Minerals Ltd. - phosphoric acid from Canadian ores project under study	Mar. 30-41	Apr. 6
			Mobil Plastics Development Corp. - will program Mobil worldwide plastics fabrication business	May 25	53	Multiple Products Corp. - acquired by Lemer Packaging Corp.	May 11	26
			Modemair Corp. - blower valve	Feb. 9	49	Mutrie, P. B. - Motor Transportation Corp. - automated truck-cleaning system	Apr. 20	90
			Moblydenum Corp. - America - files registration statement with SEC; will produce rare-earth chlorides and mischmetal at York, Pa.; prospects for new molybdenum sulfide ore body in New Mexico	May 11	26	Nabors Mfg. Corp. - sales representative for Nopco Chemical's plastics division	May 11	26

Nadisco Inc. - acquisition of Consolidated Aerosol Corp., including Melanite Chemical Corp., proposed	Mar. 30	25	New York Air Brake Co. - BIF Division - dry feeder	May 11	47	Safety information center set up	June 22	46
Aerosol tire inflator sales; sales offices established at Highland Park, Mich.	June 8	68	Newmont Mining - antitrust violation charged in acquisition of stock in Magna Copper and Phelps Dodge	Jan. 12	23	Solid-state data center	Mar. 9	84
Naftone Inc. - nontoxic fungicide and bactericide	Apr. 27	55	Firm will fight suit	Jan. 19	20	O'Brien Industries, Inc. - conglutinant aid	June 1	108
Nalco Chemical - combination scale and corrosion inhibitor for potable water supplies	May 4	70	Walch Chang acquisition - financial hitch could scuttle deal	May 25	33	Occidental Petroleum - acquires Best Fertilizer	June 1	24
Explosion delays startup of TEL-TML plant at Freeport, Tex.	Feb. 9	77	Nippon Kayaku - hydrogen peroxide process licensing negotiations with Laporte Industries	June 29	26	Odessa Natural Gasoline Co. - ammonia plant to be built at Odessa, Tex.	June 29	58
Nassau Associates - oil and gas properties acquired by Fluor	Jan. 19	27	Nippon Kokan Chemical - phosphoric acid and gypsum from phosphate rock	Mar. 2	56	Oelke (Austria) - will supply butane for isoprene rubber plant	Mar. 23	56
National Can Corp. - acquires Zimmerman Machinery Co.	May 4	24	Nippon Light Metal - aluminum export cartel	Mar. 16	20	Oesterreichische Hias AG. - Austrian isoprene rubber project	Mar. 23	56
National Cash Register - carbonless carbon paper patent infringement suit	Mar. 9	18	Nippon Petrochemicals - ethylene plant comes under computer control	June 22	49	Oesterreichische Stickstoffwerke AG. - Austrian-Soviet bloc trade agreement may lead to strike	Jan. 12	57
Solar cells process awarded new AF contract	June 22	50	Polyethylene licensing agreement with Rexall	June 29	26	Fertilizer profits down	Apr. 27	56
National Container Corp. - Owens-Illinois settles antitrust suit	June 22	25	Nirlon Synthetic Fibres and Chemicals (Private) Ltd. - will be converted into a public limited-liability company	Feb. 23	57	Offer Corp. - dry materials valve	Apr. 13	42
National Controls (Canada) Ltd. - device for motor vehicle cranks	Feb. 23	100	Nitto Unicar - polyethylene capacity increase planned	Feb. 16	26	Ohio River Oil Co. - Kentucky court awards oil and gas rights to Henderson County	June 15	26
National Dairy Products Co. - Robinson-Patman Act phrase upheld	Mar. 2	27	Non-Linear Systems, Inc. - production statistics analyzer	Jan. 26	91	The Oil Shale Corp. - crude oil from Colorado shale rock project - financing plan	Mar. 9	17
National Distillers and Chemical Corp. - International Division established; second government-liaison office opened in Washington, D.C.	Feb. 23	45	Nopco Chemical Co. - acquires subsidiaries in Norway and England by taking over the Nopco product-manufacturing facilities set up by two companies, Senko Kjemisk and Adolph Hess	Feb. 9	37	O'Leary, Lydia, Inc. - "misleading" container lawsuit	Mar. 16	36
Mente, Alvin, Jr., director of government requirements	Jan. 19	43	Consolidates plastics division operations at Kearny and North Arlington, N.J., with urethane foam plant at Plainfield, N.J.	Apr. 20	26	Olin Mathieson Chemical Corp. - charged with concealing kickbacks in drug sales involving U.S. foreign aid funds	Jan. 26	23
Titanium tetrachloride plant at Ashtabula, O., sold to Cabot Titania	Feb. 9	18	Gasoline additive	Feb. 9	50	Dixon Chemical Industries will get financial and marketing aid from Olin	Feb. 23	57
U.S. Industrial Chemicals - high-density polyethylene plant near Houston, Tex., onstream	Mar. 23	102	Industrial Div. - anionic water-soluble polymer useful as latex system dispersant	Feb. 23	94	Dixon Chemical recapitalization plan moves ahead	Apr. 6	17
U.S. Industrial Chemical - polyethylene cable coating resin	Jan. 26	92	Nabors Mfg. is sales representative for plastics division	May 11	26	Dixon Chemical's refinancing plan completed	Mar. 2	25
U.S. Industrial Chemicals - polyethylene resins market forecast	Apr. 27	72	Will make urethane foam products at Plainfield, N.J., site leased from Worthington	Apr. 6	27	Logan, John, scotches rumor of exodus from Niagara Falls, N.Y., plant relocation charges denied	Feb. 23	160
U.S. Industrial Film Products Div. finds new home at Stratford, Conn., Kordite takes over Macecon, N.Y., units	Apr. 13	25	Nopco Hess Ltd. - new subsidiary of Nopco Chemical	Feb. 9	37	Organics Division - ortho and meta isomers of aminobenzoic acid	June 1	107
National Farmers Union - closeout of potash project - from financing to merchandising	Apr. 27	25	Nopco Senko A/S - new subsidiary formed by Nopco Chemical	Feb. 9	37	Osborne, Stanley, outlines chemical development plans	Apr. 6	23
National Gypsum Co. - expands asbestos plant at Theford Mines, Ont., and fiber-board plant at Mobile, Ala.	Jan. 12	25	Norriands Skogsgaards Cellulosa AB - negotiating for Hissmors and Agfors sulfite plants near Osterund; acquires Homers' sulfite plant in Vasterbotten and the Sandvikens sulfite plant in Angermanland	May 11	28	Pintsch Bamag will install Olin's E-11 mercury cell process for making chlorine and caustic soda in all countries except U.S. and Canada	Mar. 9	37
National Helium Corp. - conservation program - firm refuses to modify contract	Jan. 26-23	Feb. 16	Norse Chemical - cyclamate sweeteners piracy case	Mar. 9	18	Rebuilds Lake Charles, La., hydrazine plant; expands waste disposal facilities	Apr. 13	20
National Industrial Equipment Co. - invisible bug 'screen' developed	May 11	42	Sodium and calcium cyclamate plant in operation at Gudahy, Wis.	Mar. 2	61	Terephthalic acid, BHT, and isophthalic acid processes sold to Mobil Chemical	Jan. 26-69	Feb. 23
National Institute of Economic and Social Research (IGT, Brit.) - survey of production, exports, capital spending for 13 companies	Feb. 2	46	Norsk-Hydro - aluminum venture with Harvey Aluminum	June 29	26	Titan II - anhydrous hydrazine fuel contract	Feb. 16	25
National Laboratories Corp. - acquired by Lloyd Brothers	Jan. 5	67	North American Aviation Inc. - Atomics International - AEC contract extended	Feb. 23	116	Total management system case study	May 25	167
National Lead Co. - polyethylene-encapsulated cellulose products plant startup	June 22	50	Atomics International Div. - alkali metal	Mar. 16	83	Omega Chemical Co. - builds up surfactants	Feb. 23	127
Polymerization-encapsulating process unveiled	June 29	43	Autonetics Division - ablative coatings	June 1	91	Omni Products Corp. - new division of C. Tennant Sons	Feb. 9	26
Preferred stock retirement plan Feb. 9-26, Mar. 16-26	June 22	26	Titanium welding technique	Feb. 16	75	O'Neill Geothermal Co. - American Metal Climax may acquire chemical recovery rights for geothermal wells	June 1	92
Titanium Alloy Manufacturing Div. - wage agreements	May 18	81	North American Car Co. - glass-fiber tank car debuts	Apr. 13	73	Imperial Valley geothermal well contains large quantities of minerals	Mar. 16	63
National Petrochemical - linear polyethylene plant onstream in Texas	Jan. 19	62	North American Coal Corp. - shuts alum plant at Powhatan Point, O.	Apr. 13	25	Ontario Hydro - considers four 405-megawatt reactors	Apr. 27	60
National Plastics Products Co. - polypropylene fibers plant to be built at Odenton, Md.	Mar. 16	26	Suspends alumina production at Powhatan Point, O.	May 4	64	Ontario Paper - denies undercutting U.S. vanillin prices	Mar. 30	60
National Polychemicals, Inc. - flexible phenolics called Tetraflex	Feb. 9	68	North Star Research and Development Institute - new nonprofit research organization	Feb. 23	100	Ontario Research Foundation - research community under construction	Feb. 2	53
Resorcinol-phenol resins curing system	Apr. 27	55	Northern Chemical Industries - Chemetron acquires 50% interest	Jan. 12	25	Ultrasonics research agreement with Macrosonics	Feb. 23	114
National Potash - Carlisbad, N.M. potash deposit development plans	Jan. 19	20	Northern Helix Co. - helium conservation program - firm refuses to modify contract terms	Feb. 16	21	Onyx Chemical - cationic detergent to be used against detergent foam	May 25	113
National Research Corp. - acquired by Norton Co.	June 22	26	Northwest Natural Gas Co. - wage agreement	May 11	48	Millmaster Chemical may buy Onyx	Jan. 26	18
National Research Council of Canada - coprecipitation of lignin with rubbery butadiene polymer	Mar. 2	58	Northwest Petrochemical Corp. - acquired by Forest Fiber Products Co.	Feb. 2	26	Ora-Dent Corp. - foaming tooth-cleaning tablets debut	June 8	65
National Rivet and Manufacturing Co. - self-sealing rivet marketing agreement	June 15	80	Norton Co. - acquisition of National Research Corp. proposed	Feb. 9	26	Owens-Illinois Glass - antitrust suit settlement requires divestiture of six plants	June 22	25
National Silicates - sodium metasilicate project at Toronto, Ont.	June 22	61	Lists stock on New York Stock Exchange; acquires National Research Corp.	June 22	26	Glass developments: glass colors when exposed to electron beams; glass ceramic materials; glass resins; hot-glass rights for electrostatic printing process	June 1	91
National Starch and Chemical Corp. - adhesives plant and a warehouse for resins and starches being built in the Armour-Ottley industrial area of Atlanta, Ga.	Apr. 20	26	Nova America - Vulcan Material Plastics interest sold to Grace	Feb. 2	46	Tall oil fractionating process will get commercial test at Valdosta, Ga., plant	Jan. 5	51
Amylose starch called Amylon VII	May 11	47	Novadel Ltd. - naphthene-type paint drier price cuts	Mar. 16-71	Mar. 30			
Sandable wood adhesive	Mar. 23	36	Novament - polypropylene film and fiber plants postponed indefinitely	Apr. 13	25	Pacific Lighting Corp. - forms subsidiary to make gas-fired central heating and air-conditioning units for industrial plants	Feb. 23	154
Self-cross-linking acrylic copolymers	Mar. 2	42	Nuclear-Chicago Corp. - density gauge	Jan. 19	19	Packing Engineering Corp. - affiliates with Sealco, Inc.	Jan. 26	27
Vinyl acetate plant start up at Long Mott, Tex.	Mar. 9	71	Nuclear Engineering - Kentucky radioactive waste burial ground - lease agreement	Jan. 19	19	Pall Corp. - gas detector	Feb. 9	49
Vinyl acrylic solution resin	Apr. 6	101	Nuclear Fuel Services - AEC okays nuclear fuel reprocessing plant	May 4	17	Pan American Gas Airways Inc. - Grace will sell interest to Pan American	Apr. 27	17
Vinyl packaging adhesives plant being built at Atlanta, Ga.	Mar. 23	26	Atomic wastes reprocessing project moves ahead	Mar. 16	20	Pan American Sulphur - sales, earnings, production up in '62	Mar. 23	18
National Technology Corp. - vinylon plant deals with two Japanese firms	June 8	26	Construction under way on nuclear fuels reprocessing plant	June 1	23	Pan American World Airways - Grace will sell interest in Pan American-Grace Airways	Apr. 27	17
Nationwide Consumer Testing Institute - new group will issue "Seal of Quality" on consumer products	Feb. 2	64	Ground-breaking ceremony at West Valley, N.Y.	June 22	24	Pangborn Corp. - acquisition by Carborundum	May 18	23
Neuman Engineering and Machine Co. - turbidity analyzer	Apr. 6	102	Nuclear fuels reprocessing plant - ground breaking near	Apr. 13	23	Parke, Davis & Co. - "fair trade" suit against Wilmington Vitamin	Jan. 5	58
Neocomb Products Co. - HioDine swimming-pool disinfectant	Feb. 9	75	Nuclear fuels reprocessing plant is step nearer reality	Apr. 20	38	Sales and earnings	Apr. 27	24
Nepera Chemical Co. - 3-aminopyridine process	Feb. 2	66	Nuclear Research Chemicals, Inc. - Carbon-14 radioactive gases	Jan. 19	27	Parker Bondrite (Aust.) Pty. Ltd. - Hooker Chemical and Chemserve acquire firm	June 22	37
Netherlands State Mines - synthetic lysine plant to be built at Geleen	June 29	26	Carbon-14-tagged chemicals	Apr. 27	55	Parsons & Whitemore - Ethiopian pulp and paper mill project	Apr. 27	75
Neville Chemical Co. - color paving products	May 25	44	Nuclear Science & Engineering Co. - Cobalt-58 available	Mar. 9	55	Patclm Chemical Co. - tin-plate stripper	Mar. 23	36
New Jersey Zinc Co. - acquires interest in Catalysts and Chemicals	Mar. 16	26	N.V. Brillion Maatschappij - organometallics venture in Zaandam, Netherlands with M&T Chemicals	Mar. 30	58	Patent Chemicals - petroleum dryer	Apr. 20	84
Labor adjustment assistance application denied	Mar. 23	24				Pavelle Corp. - Xerox will evaluate color photographic printing process	Feb. 16	47
Laid-off workers apply for federal unemployment benefits under Trade Expansion Act of '62	Feb. 16	40	Oak Ridge National Laboratory - promethium	May 18	67	Pechiney - Australia approves bauxite plans	June 1	32
						Australian aluminum project	Mar. 2	33
						Financial picture reported; chides U.S. for aluminum supply-demand imbalance	Apr. 13	59
						Penetone Co. - chemicals for spill cleanup	June 8	72
						Penick, S. B. & Co. - aerosol concentrate	May 4	69
						Prolin rodenticide licensing agreement with WARF	Jan. 5	42

Penn-Olin Chemical - antitrust case; facts vs. theory - Viewpoint	May 11	5	Pittsburgh Plate Glass Co. - accelerates growth in chemicals with Chatham-Reading acquisition, new potash venture	Feb. 23	44	Química Organica, S.A. - glycols and polyols venture with Wyandotte	Mar. 9	37
Federal judge dismisses antitrust charges - letter	June 15	5	Acquires Chatham Reading Chemical Corp., assumes responsibility for Houston Chemical debt	Feb. 16	19	- letter	Mar. 30	10
Pennsalt Chemicals Corp. - calcium hypochlorite plant at Wyandotte, Mich. - expansion	Feb. 23	45	Adhesive Products Division - neoprene adhesives	June 8	68			
Swimming pool chemicals line expanded	Feb. 9	75	Ammonia expansion at Natrium, W. Va.	Jan. 19	19			
Pennsylvania Industrial Chemical - alkylated hydrocarbon polymers	Apr. 27	71	Carbon disulfide plant to be built at Natrium, W. Va.	Jan. 5	18	Radio Corp. of America - Electron Tube Division is working on 50,000-gauss magnets	June 22	56
Pennsylvania Refining Co. - laboratory bath oil	Feb. 23	94	Changes color of Soda Brighites to white	Feb. 9	75	Plastic laser developed	Mar. 16	64
Pepsi-Cola Co. - will test market dietetic drinks	Feb. 16	57	Chemical Division - trichloroethylene and perchloroethylene project at Lake Charles, La.	June 8	20	Ramsay Controls, Inc. - motor speed-control unit	Apr. 13	91
Perflex Corp. - acquires Berliana Corp. from Consolidated Foundries	Feb. 23	45	Float glass will face market tests late this year	Mar. 16	25	Ransburg Research and Development - electrostatic paint for nonmetals	Jan. 5	36
Perkin-Elmer Corp. - atomic absorption spectrophotometer suitable for process control analysis	Mar. 9	70	One-coat paints and enamel	Mar. 23	36	Rayon Peruana S.A. - caustic soda and chlorine products venture	Mar. 23	56
Petrobras - ammonia plant at Camacari, Bahia, will use Texaco and Ameria Catalytic know-how	Jan. 26	53	Organic peroxide cross-linking agent, BPIC, for vulcanizing elastomers and plastics	Apr. 13	69	Reeves Bros. - dyable polypropylene	Mar. 23	77
Petrochemicals expansion program	May 18	37	Paint and Brush Division renamed Coatings and Resins Division	Mar. 2	26	Refrigerating & Power Specialties - refrigerant gas lawsuit	Apr. 13	42
Synthetic rubber project	Jan. 15	61	Polyester resins capacity boost; electrophoretic coating system under development	May 25	55	Refrigerative Supply - refrigerant gas lawsuit	Apr. 13	42
Petrolcarb Inc. - coal injection system	Jan. 5	53	Pittsburgh Towing Co. - specializes in "fishback" services	Jan. 26	94	Reichhold Chemicals - abandons plans for plastics plant near Portsmouth, England	Apr. 27	75
Petrofina S.A. - negotiations for Grace's 52% interest in Cosden rumored	Feb. 2	17	Planichin - toluene diisocyanate project	Jan. 26	53	Acquires Rosett Chemicals	Mar. 16	26
Petrolene Gas Service Inc. - applies for listing on New York Stock Exchange	Feb. 16	25	Plas-Chem Corp. - exterior epoxy coating called Acro-Lor	Apr. 27	50	Branches out into phenolic molding compounds	June 8	24
Common stock offering planned to replenish capital used to buy LPG retailers	Jan. 12	23	Plas-Tech Equipment Corp. - symposium on high-speed testing	June 1	104	Floor polish resins	Jan. 5	36
Petroleos Mexicanos (Pemex) - accepts French loan; builds two ammonia plants	May 18	37	Plastics Atanor - merges with Duranor	June 15	61	Plastics and polymer research lab at Sterling Forest, near Tuxedo, N.Y. - ground breaking	Feb. 9	64
Capital spending plans for '63	Mar. 30	58	Plasti-Kote - amber aerosol spray colors autos' glass turn-indicator signals	Jan. 26	85	Snaps out of '61 slump, acquires Rosett Chemicals	Feb. 16	24
Polyethylene resins venture with ICI and Celulosa y Derivado	June 15	61	Polaroid Corp. - color film that processes in 50 seconds will debut in Florida	Jan. 26	86	Thermosetting resins for use in missile systems	Jan. 5	42
Petroleum Chemicals Inc. - Cities Service buys out Continental Oil's interest	June 8	19	Polarized Panel Corp. - polarized light costs	Feb. 9	41	Reichhold Chemicals (Canada) Ltd. - formaldehyde project at Ste. Therese, Que.	June 22	62
Mid-South Chemical - Cities Service may dispose of interest	Apr. 6	17	Polyethylene Bag Mfg. Co. Ltd. - acquired by Union Carbide Canada	May 25	95	Reichhold Chemie AG. - Britain imposes anti-dumping duty on phthalic anhydride imports	Feb. 9	37
Petrolite Corp. - Bareco Wax Division - microcrystalline wax, Cryoflex	June 15	52	Polymer Corp. Ltd. (Canada) - high-cis polybutadiene rubber marketing in Britain	June 22	31	Reinhold Engineering & Plastics Co. - acquires California Division of Garlock	June 1	31
Pfaunder Permutit Corp. - packaged unit opens way to economic recovery of toxic plating compounds	Mar. 30	43	Zeroes in on U.S. rubber market	June 22	31	Reliance Chemicals Corp. - microbial products plant and labs at Houston, Tex.	Mar. 2	48
Pfister Chemical Works - transfers Pfister Southern subsidiary to Charlotte, N.C.	May 11	26	Polymer Corp. P.L. of Australia - nylon-6 venture with Allied dropped	Feb. 2	46	Reliance Chemicals Corp. - microbial products plant and labs at Houston, Tex.	Mar. 2	48
Pfister Southern - transfers operations to Charlotte, N.C.	May 11	26	Polymer Industries - synthetic resin emulsions project at Greenville, S.C.	May 25	56	Reliance Varnish Co. - coatings plant to be built in Salem, O.	Mar. 23	66
Pfizer, Chas. & Co. - acquires Desitin	Apr. 20	26	Textile finish-binder	Jan. 12	43	Repesa - considers broader production of petrochemicals; dedicates urea plant	June 22	37
Brazilian Itaconyl marketing deal with Koppers and LIRC	Mar. 30	58	Polyrey - joint venture of ICI, Pemex, and Celulosa y Derivado, will make polyethylene resins at Reynosa	June 15	61	Starts legal proceedings to stop Cepsa Gulf refinery project at Bilbao	Feb. 16	26
Citric acid lawsuits: one settled, one pending	Apr. 13	27	Polythane Corp. - acquires Stretchables International, will produce spandex elastic fibers in Northern Ireland	Jan. 5	25	Republic Steel Corp. - decision on oxygen lancing deferred	Apr. 20	74
Enzyme process for cheesemaking	Feb. 16	57	Polyvinyl Chemicals - styrene-acrylic copolymer	June 22	74	Research Council of Alberta - combination pipeline-reactor envisioned	Apr. 27	59
Fumaric acid plant at Vigo, Ind., uses Scientific Design process	Jan. 5	46	Porter, H. K. - Patterson-Sargent Div. launches water-based linseed oil house paints	Feb. 23	130	Research Institute for Fermentation - ion exchange system makes glutamic acid wheat from wheat gluten	Mar. 2	57
Fumaric acid process bypasses maleic anhydride step	Feb. 2	44	Power Corp. of Canada - Canadian Celanese stock plan	Mar. 2	18	Resin Research Laboratories - serves industry with polymer development and know-how	Mar. 16	23
Nonrigid urethane foam process licensed from Britain's Aeropreen	Feb. 9	37	Premier Petrochemical - new firm produces urea near Pasadena, Tex. Jan. 19-20, 27	Apr. 6	23	Resources for the Future, Inc. - closeup - year 2000 - report	Apr. 13	86
Trachoma vaccine	Jan. 5	46	Prentiss Drug and Chemical Co. - prolin rodenticide licensing agreement with WARF	Jan. 5	42	Forecast of U.S. resources to year 2000	Apr. 6	26
Trimellitic acid ester series	Feb. 16	58	Pritchard, J. F. - adiabatic reforming process	Mar. 30	49	Natural resources forecast to year 2000	Mar. 30	60
Wine pasteurizer	May 11	47	Process Chemicals Co. - Emery Industries acquires firm	May 25	56	Revell Corp. - Glaser, Lewis, urges CPI to increase aid in fight on glue-sniffing	Apr. 13	77
Phelps Dodge - antitrust complaint involves acquisition of stock by Newmont Mining	Jan. 12	23	Proctor & Gamble - Britain investigates household detergents supply situation	June 1	32	Revall Drug & Chemical Co. - "misleading" container lawsuit	Mar. 9	17
Antitrust complaint - Newmont will fight suit	Jan. 19	20	Dividend payments increase	Jan. 26	27	New Markets Division launches plastic mesh material, laminated film, and a plastic device for six-pack containers	May 25	102
Philadelphia & Reading Corp. - interest in Chatham Reading Chemical sold to Pittsburgh Plate Glass	Feb. 16	19	Engineering Div. - Hall, William pinpoints costs, savings of plastic lined plant equipment	Mar. 23	42	Petrochemicals outlook rosier	May 18	21
Philadelphia Gas Works - underground storage of natural gas planned	May 11	60	Launches sales assault on European Common Market	Mar. 30	70	Polyethylene licensing agreement with Nippon Petrochemical	June 29	26
Phillip Bauer Co. - codefendant in drug sales kickback case	Mar. 16	36	Producers Cotton Oil Co. - cottonseed oil refinery to be built in Fresno	Feb. 23	45	Polyethylene resins for extrusion coatings	Feb. 23	94
Phillips Chemical Co. - controlled-structure styrene-butadiene rubber, Solprene X-40	Apr. 6	69	Pro-Phy-Lac-Tic Brush Co. - acquired by Standard Oil of Ohio	Feb. 16	25	Regional sales managers head profit centers, win bigger voice in corporate policy	Mar. 2	73
Freeze concentration technique	June 1	97	Proprietary Perumes Ltd. - moves from captive to open-market sales	May 25	99	Reynolds Metals Co. - all-aluminum beer cans market potential	Apr. 27	72
High-density polyethylene resin	Feb. 9	49	Prosperity House - sells franchise for door-to-door delivery of household cleaning agents	Feb. 16	45	Australian bauxite deposits lease withdrawn	June 1	32
Petrochemical growth pattern	Jan. 26	24	Prosil - nitrophosphate fertilizer project in Rio Grande do Sul state	June 15	61	Oregon commends air quality control program	Apr. 27	38
Provides feedstock and markets urea for Premier Petrochemical	Jan. 19-20	27	Proter Chemical Co. - Southland Chemical acquires common stock	May 4	24	Reynolds R. J. Tobacco Co. - Lawnscape and Nitro-glade fertilizers test marketing	Apr. 6	90
Phillips Pacific Chemical Co. - urea plant to be built in Northwest	June 29	25	Psychological Services, Inc. - screening 200 newly hired salesmen	Apr. 20	29	Rheem Manufacturing Co. - polyethylene-lined drum launched	Jan. 19	35
Phillips Petroleum Co. - acquires 8% interest in Pures Corp.	Apr. 20	23	Publicer Industries - seeks restoration of duty on Canadian whiskeys	Mar. 9	28	Rhodes, James H., & Co. - nylon cleansing pads	June 8	68
Algerian butadiene project dropped	Jan. 5	24	Puerto Rico Chemical - fumaric acid project	May 18	72	Rhone-Poulenc S.A. - sales and earnings	Apr. 20	54
Butadiene plant to be built in France	Mar. 30	58	Phthalic anhydride project	May 11	70	Richardson Co. - amide series	Feb. 23	93
De-icer is also potent fungicide in jet fuel lines	Apr. 13	70	Puget Sound Pulp & Timber Co. - merging with Georgia-Pacific Corp.	Apr. 27	26	Polybutene project at Stamford, Conn. - engineering completed	Jan. 5	25
Helium conservation program - firm refuses to modify contract	Jan. 26-23	21	Pure Oil Co. - cyclohexane plant to be built at Smith Bluff, Tex.	Jan. 12	18	Richardson-Merrell, Inc. - Extruded Plastics merges into company, becomes Tulox Plastics Division	Jan. 5	25
Mobilized computer control system to be used at Bartlesville, Okla.	Feb. 9	67	Forms Amso International to handle overseas marketing	June 22	37	Hess & Clark Div. - feed additive, Nidraflur William S. Merrell Co., a division, adds laboratory and office space to Cincinnati facilities	June 29	44
Petrochemical growth pattern	Jan. 26	24	Pures Corp. - acquires Milvern Co. Land and building sale-leaseback at Bristol, Pa.	May 11	26	Merrell, Wm. S. Co. - thalidomide hearings	Apr. 27	40
Spain approves petrochemicals venture with Calvo Sotelo	Mar. 16	42	Phillips Petroleum acquires 8% interest in Puritan Aerosol Corp. - filling plant opened in Berkeley, R. I.	Apr. 20	23	Vick, Chemical Div. - new plant to be built in Habrovo, Pa.	Mar. 2	26
Uranium mining and milling properties sold to United Nuclear	Apr. 6	18	Pyroflex Gas Corp. - Carbide may sell LPG operation to Texas Eastern Transmission	Mar. 23	66	Richter, Gedeon, Pharmaceutical Products - vitamin B12 patent suit	Feb. 9	24
Phillips Petroleum International - carbon black process licensed to Companhia de Carbonos Coloridos	Feb. 2	46	Pyrotel Corp. - infrared detector	Jan. 5	19	Risdon Manufacturing Co. - water-base aerosol valve	June 8	68
Pigment Chemical GmbH - titanium oxide pigments produced at Homberg am Niederrhein	Mar. 2	33		May 11	47	Robins, A. H. Co. - goes public via secondary stock offering	Mar. 16	26
Pilkington Brothers, Ltd. - float glass process licensed to Libbey-Owens Ford	May 11	60				Rockwell Manufacturing Co. - consolidates R&D activities in Pittsburgh	June 29	44
Pittsburgh - Tidy House Division strengthened	Feb. 9	77				Rocky Mountain Arsenal - increases use of GB nerve gas; weapons contracts up in '62	Feb. 9	26
Pintsch Bama - granted rights to install Olin's E-11 mercury cell process for making chlorine and caustic soda in all countries except U.S. and Canada	Mar. 9	37				Rocky Mountain Phosphate Co. - air pollution charges close Butte, Mont. plant	June 15	40
Pioneer Salt - swimming-pool chemicals: Chlor-Lok and Quik-clor	Feb. 9	75				Rocky Mountain Research, Inc. - phosphine production unit reactivated	Mar. 16	83
Pittsburgh Chemical - U.S. Steel acquires 25% interest	Apr. 20	23						
Pittsburgh Coming Corp. - Unibestos pipe insulation plant to be built at Port Allegany, Pa.	May 4	24	Química del Rey S.A. - salt cake and sodium sulfate plant to be built at Laguna del Rey, Coahuila	Apr. 27	17			

Rogers Corp. - molding compound, RX-610	Mar. 16	83	Shawinigan Chemicals - British American Oil may acquire complete control; Premier Lesage's stock proposal	Jan. 12	18	Smith Kline & French Laboratories - annual meeting	May 25	53
Rohm & Haas Co. - aqueous polymer dispersion	May 25	44	British American Oil takes over majority interest, upsets Province of Quebec's offer of independence	Jan. 19	25	Demathera, a medicated lotion	Apr. 27	52
Branches out in pharmaceuticals, synthetic fibers	May 25	53	Interest in Shawinigan Resins sold to Monsanto	Mar. 2-17	19	Research expenditures; revives microbiological specimens from tomb in Guatemala	Apr. 6	69
Capital spending boost; expansions	Mar. 30	25	Shawinigan Industries Ltd. - set up to assume Shawinigan Water & Power's nonutility assets	Apr. 13	19	Secondary stock offering planned	Feb. 2	24
Coagulant aids for clarifying turbid water	Jan. 26	92	Shawinigan Water & Power's nonutility assets	Apr. 13	19	Social Research, Inc. - studies effectiveness of safety leaflets, posters and films	Apr. 6	85
Diffunctional acrylic monomer, BDMA	Feb. 2	42	Shawinigan Resins - Monsanto acquires complete control	Apr. 13	19	Societe Tirona Petroli - refinery planned for Portovesme, Sardinia	Apr. 27	75
Flame-resistant acrylic-modified polyester	Mar. 9	62	Monsanto may become sole owner	Mar. 2	17	Societe des Monomeres de Synthese - Phillips pulls out of butadiene project	Jan. 5	24
Price cuts on acrylic products and methyl methacrylate monomer	June 29	57	Polyvinyl alcohol resins	Mar. 22	74	Societe des Produits Azotes - partner in phosphoric acid and fertilizer project near Bayonne	May 25	34
Rheo Industries division will launch spandex urethane elastic fibers	Apr. 27	72	Vinyl copolymer latex	Apr. 6	102	Societe Francaise des Petroles BP - hydrocarbon fermentation research	Feb. 2	49
Textile binder	Feb. 23	94	Shawinigan Water & Power - British American Oil may acquire complete control of Shawinigan Chemicals; Premier Lesage's stock proposal plan	Jan. 12	18	Petroleum paraffins, key to edible yeasts	Jan. 5	53
Rolls-Royce - fiber reinforcement of metals studied	June 29	47	Directors will accept government offer for shares	Mar. 30	18	Societe Generale de Belgique - Belgium toluene diisocyanate project with Royal Dutch Shell	Jan. 26	53
Rosetti Chemicals, Inc. - acquired by Reichold	Mar. 16	26	Interest in Shawinigan Chemicals will be acquired by British-American Oil and Shawinigan Industries	Apr. 13	19	Societe Generale Metallurgique de Hoboken - refractory metals venture with Fansteel	Jan. 5	25
Roswell Park Memorial Institute - cancer research and treatment center opened	Mar. 2	48	Sells its majority interest in Shawinigan Chemicals to British American Oil	Jan. 19	25	Societe Metallurgique de Prayon - leaching and filtration systems licensed to Bradley	June 22	37
Rotterdamse Polyolefinen Maatschappij N.V. - joint venture of Royal Dutch/Shell and Montecatini, will produce polypropylene at Pernis	Feb. 9	37	Shell Chemical Co. - Adhesives Dept. - epoxy adhesive	May 18	68	Societe Nationale des Petroles d'Aquitaine - liquid sulfur production planned	June 1	32
Rovolis, S. p. A. - British Oxygen acquires interest in firm	Mar. 30	58	Dutch gas pipelines venture with Esso	June 8	26	Partner in phosphoric acid and fertilizer project near Bayonne	May 25	34
Roy, Milton, Co. - metering pump	Apr. 27	56	High-cis polybutadiene rubber marketing in Britain	Mar. 23	23	Strike at Lacq complex	Mar. 23	56
Royal Dutch/Shell - Belgium toluene diisocyanate project with Societe Generale de Belgique	Jan. 26	53	Normal butyl alcohol and isobutyl alcohol project at Houston, Tex.	June 8	20	Societe Norsyntex - new company will produce nylon filament yarn and staple	Mar. 2	33
Dutch polypropylene venture with Montecatini	Feb. 9	37	Normal butyl and isobutyl alcohol expansion continues despite strike at Houston, Tex.	June 15	98	Soc. Progil - joins UGP's petrochemical project	Jan. 12	57
Joins in Spanish petrochemical project	Apr. 27	18	Organo boron chemistry agreement with Purdue's Herbert Brown	May 18	64	Societe Rhodiace - expands nylon-6/6 filament and staple capacity and polyester filament and staple capacity	Feb. 23	57
Petroleum workers union considers worldwide action against firm	May 25	178	Resin used in dyeable polypropylene	Mar. 23	77	Societe Rhovyl S.A. - polyvinyl chloride filament and staple expansion	Feb. 23	57
Royco Instruments Inc. - Recording camera	June 1	107	Water-lubricated centrifugal compressor developed with Elliott Co.	Jan. 12	64	Soc. Uguine - joins UGP's petrochemical project	Jan. 12	57
F. C. Royster Guano Co. - joint fertilizer venture at Marseilles, Ill.	Mar. 2	62	Shell Development Co. - animal health laboratory at Modesto, Calif.	June 1	128	Socomy Mobil Oil Co. - chemical expansions stressed at annual meeting	June 23	29
Soil testing laboratory being built at Montgomery, Ala.	June 29	44	Shell International Chemicals - Indian naphtha cracker project awaits government approval	Jan. 5	24	Debutene offering proposed	Feb. 2-26	26
Rozilda Laboratories - glutaraldehyde bis-sodium bisulfite, a gelatin-hardening agent	Feb. 9	49	Shell Italiana - pesticides venture with Montecatini	Mar. 16	42	Mobil Chemical Co. adds to its plastics organization	May 25	53
Phosphated ester surfactants	Apr. 20	84	Shell Oil Co. - Cuban refinery down to 50% of capacity	Feb. 9	27	Mobil Chemical Co. takes over polyethylene plant that was shut down by Foster Grant Polyolefins	Mar. 30	25
S. D. Plants Ltd. - contractor for W. J. Bush's benzoic acid plant	June 15	61	Interior Dept. weighs oil shale bid	Apr. 13	69	Smith-Douglass acquisition rumors	June 8	20
Sachtleben AG - titanium oxide pigments venture with Du Pont	Mar. 2	33	OCAW will accept 5% wage increase	Jan. 12	83	Sodium Chemicals - Lever Bros. South Africa acquires controlling interest in parent company	Mar. 9	37
St. Croix Paper Co. - Georgia-Pacific Corp. moves to acquire outstanding stock	Jan. 12	25	Polyethylene packaged motor oil test marketed in Baltimore area	Apr. 6	90	Sohio Chemical - acrylonitrile capacity boosts may be on way	Apr. 27	72
Saint-Gobain - financial picture good, U.S. affiliate shows loss	May 25	86	Roxana, Ill. strike settled	Feb. 23	160	Soriano, A. & Co. - kraft paper and newsprint project with International Pulp and Paper	Feb. 23	57
Float-glass plant to be built in Italy	May 18	64	Shell Oil Co. of Canada - Athabasca tar sands project application	Jan. 26	27	South Hampton Co. - molecular sieve processing developments	Jan. 26	37
San Jacinto Petroleum Co. - acquires Hudson Gas & Oil Corp. with Dorchester	Jan. 12	23	Sherritt Gordon Mines Ltd. - cobalt powder available	Mar. 2	41	Southern Clays, Inc. - acquired by Freepoint Sulphur	June 15	17
Sandvikens - Angerstrand sulfite plant sold to Norrlands Skogsagars Cellulosa	May 11	28	Monsanto obtains worldwide licensing rights to metallurgical leach process	May 4	55	Southern Natural Gas Co. - financial agreement with The Oil Shale Corp.	June 15	26
Santoku Chemical Industries Co. - hydrogen peroxide process licensing negotiations with Laporte Industries	June 29	26	Sherwin-Williams - acrylic, new quick drying paint for automotive trade	Jan. 26	70	Southern Nitrogen - merger negotiations with undisclosed company	Apr. 13	20
Saran Lined Pipe Co. - markets polypropylene-lined pipe	Jan. 19	32	Shin Nippon Chisso Chemical - polypropylene fiber venture with Avison	Apr. 20	54	Taylor, George, favors fertilizer swapping	Apr. 6	73
Sargent Paint Mfg. Co. - automotive aerosol paint line introduced	Jan. 26	85	Strike over at Manamata Bemberg plant	Feb. 9	37	Southern Research Institute - builds laboratory and office building at Birmingham, Ala.; plans new health laboratory	Apr. 20	42
Sauquett Silk Co. - acquired by Rohm & Haas	May 25	53	Shorko-Metal Box Ltd. - established to consolidate plastic film business of Metal Box Co. with Shorko Packaging	June 22	37	Southwest Chemical Co. - acquires common stock of Prolex Chemical	May 4	24
Scherer Corp. - programmed instruction used to develop sales skills	Jan. 5	26	Shorko Packaging (U.K.) Ltd. - consolidates with plastic film business of Metal Box Co.	June 22	37	Southwest Research Institute - spill cleanup chemicals	June 8	74
Schulte and Koerting Co. - rotameter transmitter	May 25	43	Showa Denko - aluminum export cartel	Mar. 16	20	Turbine engine problems reported	June 1	91
Schwarzkopf Development Corp. - carbide parts made from "80" grade carbide, for use in ultrahigh-pressure applications	Jan. 5	36	Showa Denko - MITI approves polyacetal resins venture with Du Pont	May 11	28	Southwestern Capital Corp. - Bon Ami merger rumors abandoned	June 29	24
Scientific Design - catalyst for ethylene oxide production	June 15	79	Showa Yuka - merger discussions with Kokan Kagaku; polypropylene venture planned	Jan. 26	53	Sovereign Steel of Texas Inc. - steel mill slated for Maydelle, Tex.	Mar. 2	24
Fumaric acid process bypasses maleic anhydride step	Feb. 2	44	Shur-Lok Bonded Structures Ltd. - U.S. and Canadian distributor for Redux and Hixid adhesives	June 8	66	Spac Valve Corp. - compressor valve	Jan. 26-91	35
Fumaric acid process details emerge through patent literature	Jan. 5	46	Sicelison - Monsanto's 80% interest will be acquired by Societa Edison	Mar. 9	37	Compressor valve specialist seeks U.S. sales	Feb. 16	71
Toluene oxidation process will be used at W. J. Bush's benzoic acid plant	June 15	61	Sigma Vending Supply Co. - Foam-ette tooth cleaning tablet vending machines	June 8	65	Spence & Green Chemical Co. - tall oil fractionation process requires comparatively low investment	Jan. 5	51
Scott Paper Co. - Dunsmuir, Harrison, discusses plant modernization	Feb. 16	22	Signal Oil and Gas Co. - gasoline absorption plant being built at Inglewood, Calif.	Jan. 19	27	Spencer Chemical - polyethylene emulsion marketing agreement with Germany's Metallgesellschaft	June 15	98
Scottish Agricultural Industries, Ltd. - potassium metaphosphate fertilizer process	Feb. 2	45	Sulfur recovery unit to be built at Houston, Tex.	June 1	31	Progress report on making low ash coal by solvent techniques	Apr. 13	69
Sea-Land Services, Inc. - specializes in "fishback" services	Jan. 26	94	Signode Steel Strapping Co. - nylon strapping system for shipment of pallet loads	Jan. 5	35	Spray Systems Co. - spray nozzles	Jan. 5	35
Sealco, Inc. - affiliates with Chemical & Power Products and Packing Engineering Corp.	Jan. 26	27	Sikkens-Condor AB - new name of Condor-verken AB	Apr. 6	51	Staatsmijnen - British firm acquires distribution rights for low-density polyethylene, Stamylen	Apr. 20	54
Seabrain Lines, Inc. - specializes in "fishback" services	Jan. 26	94	Sikkens Groep N.V. - acquires Condorverken Silicate and Chemical Industry - Lever Bros.	Apr. 6	51	Staley, A. E. Mfg. Co. - common stock listed on New York Stock Exchange	June 8	25
Seaway Steel Co. - Niagara Falls, N.Y., plant relocation charges denied	Feb. 23	163	South Africa acquires controlling interest	Mar. 9	37	Thermosealing monomers line debuts	Jan. 5	42
Selberling Rubber Co. - Plastics Div. expands plant in Newcomers-town, O.	May 18	23	Simon-Carves, Ltd. - bids for Russian polyethylene plant	Feb. 23	36	Standard Chemical Products - Avitol and Standapol series of SCP surfactants	Apr. 13	91
Sekisui Chemical Co. Ltd. - polystyrene foam plant to be built at Hazleton, Pa.	Mar. 16	20	Will build four polyethylene plants for the Soviet Union	May 11	28	Standard Insulation Co. - acquired by Armour Alliance Industries	June 1	31
Polystyrene project in U.S. - complete details due soon	Jan. 19	62	Simpot, J. R. Co. - Leonard-Monsanto sulfuric acid plant is first step in fertilizer expansion program	May 25	56	Standard Magnesium Co. - Bonneville stockholder takes further legal measures to block sale	Feb. 23	36
U.S. polystyrene foam project okayed by Japanese government	Apr. 13	80	Phosphate expansion	Feb. 16-25	27	Bonneville stockholders clash over proposed sale	Jan. 12	22
Selas Corp. - direct-radiant-heating method for drying paper	June 8	48	Sinclair Oil Co. - expansion and modernization of Sinclair, Wyo., refinery planned	Feb. 16	25	Bonneville stockholders vote to accept Standard offer	Feb. 16	19
Senko Kjemisk A/S - Nopco product-manufacturing facilities taken over by Nopco Chemical	Feb. 9	37	Sindri Fertilizer Factory - Sulfuric acid	June 8	26	Proposes changing name to Standard Magnesium & Chemical and state of incorporation from New York to Delaware	Apr. 27	26
Separation Processes Corp. - pumping baffle market	June 1	102	Skelly Oil Co. - acquires tract on Mississippi River near Romeville, La.	Mar. 23	26	Standard Oil of British Columbia - opposes hike in antiknock additive tariffs	Jan. 5	60
Service Bureau Corp. - computer service, GIFS, for computerless engineers	May 16	59	Smith, A. O. Corp. - high-pressure equipment line dropped	Feb. 2	24	Standard Oil of California - OCAW will accept 5% wage increase	Jan. 12	83
Set Screw & Mfg. Co. - tubing set screw	Mar. 25	43	Smith, Alexander - polypropylene carpet maker	Feb. 16	57	Will operate gasoline absorption plant at Inglewood, Calif.	Jan. 19	27
Sharp Laboratories - acquisition by Beckman Instruments	June 8	48	Smith-Douglass Co. - acquisition rumors: Kerr-McGee denies offer, Socomy and Humble also mentioned	June 8	19			
			Joint fertilizer venture at Marseilles, Ill.	Mar. 2	62			
			Kerr-McGee merger	June 15	22			
			North Carolina Pamlico River phosphate mining project with Magnet Cove	Feb. 9	24			

Synlex Laboratories, Inc. - breaks ground for research building in Stanford Industrial Park, Palo Alto, Calif.	Feb. 9	64
Szabo Food Service - stock fraud case - decision	Feb. 9	24
Talsol Corp. - moves into new plant; consolidates two former divisions, Cincinnati Aerosol Co. and H. Talbot Co.	June 8	66
Taylor Corp. - strike over	May 15	52
Taylor, W. A. and Co. - drop test kits	May 15	38
Technical Tape of Delaware - acquisition by Detroit Industrial Products	June 1	29
Techni-Rite Electronics, Inc. - system main bar	Jan. 26	91
Teijin Ltd. - Japan approves dimethyl terephthalate venture with Hercules	Feb. 16-19	57
Teknika Inc. - finds new process uses for sonic generators	Jan. 19	31
Tennant, C. Sons & Co. - acquires Omni Products Corp.	Feb. 9	26
Tenneco petrochemical project	May 25	95
Temple Chemical - acetylene and vinyl chloride plant due on stream early '63	Feb. 2	57
Ammonia plant under construction at Houston, Tex.	June 29	58
Completing acetylene and vinyl chloride plant on Houston Ship Channel	Apr. 20	26
Polyvinyl chloride project on Houston Ship Channel	June 15	97
Tennessee Corp. - acquisition by Cities Service, Mar. 2-23, Mar. 30-17, Apr. 6-17, May 4-23, June 8-19, June 15-22	June 22	17
Tennessee Eastman - plastic sheeting division will market products made at Kingsport, Tenn.	June 15	98
Tennessee Gas Transmission Co. - acquisition of Heyden Norment proposal - debenture offering planned to help finance corporate activities	June 8	20
Debitenures sold to underwriters; Heyden Newport acquisition tentatively approved	June 29	25
Joint fertilizer venture at Marseilles, Ill.	Mar. 2	62
Shells offer proposed	Apr. 20	26
Tennessee Products & Chemical Corp. - developmental quantities of four methyl benzophenones and a lower cost isomer mixture	June 8	48
Termitol Co. - acquired by Diverseray Corp.	Feb. 16	25
Tesco Chemicals, Inc. - chlorine safety campaign launched, emergency kits offered	Jan. 5	73
Tetrafluor Inc. - merges with Mitchell Rubber Products to form Amerco Inc.	Mar. 23	26
Texaco Experiment Inc. - boron fiber developed	Mar. 16	63
Texaco Inc. - ammonia kinetic how provided for Brazilian project	Jan. 26	53
Cuban refinery down to 60% of capacity	Feb. 27	97
Petrochemical Dept. - oil additive	Jan. 19	65
Texas City Refining - phenol-from-cumene plant at Texas City, Tex. gets go ahead	Jan. 5	60
Phenol plants shelved	Feb. 2	57
Texas Eastern Transmission Corp. - acquires Carbide's LPG business	Jan. 5-18	23
Texas Gas Corp. - assets and certain related facilities of Winnie, Tex. plant acquired by Allied's Union Texas division	Jan. 19	27
Texas Gas Transmission Co. - plans addition to pipeline and related facilities	Feb. 16	19
Texas Gulf Sulphur Co. - Congress introduces bill to offset loss of Marine Sulphur Queen	Mar. 16	27
Mexican vessels will be used to ship molten sulfur	Mar. 30	28
Moves into new quarters	May 4	24
Tanker Marine Sulphur Queen loss shakes sulfur trade	Feb. 23	89
Tanker Marine Sulphur Queen lost at sea	Feb. 16	58
Texas Instruments - new process makes high-purity silicon called Loex	June 8	47
Texize Chemicals - Care, a chlorine-free liquid bleach	Apr. 6	102
Texton Inc. - bows out of textiles, sells Amerotron Division to Deering Milliken	Apr. 27	26
Dorrance Laboratories Division sold to Marad	Apr. 20	26
Spencer Kellogg Div. - urethane resins	May 11	48
Thatcher Glass Mfg. Co. - merger with Diamond National proposed	Apr. 6	27
Thermal Dynamics - antitrust charges filed against Carbide over plasma-arc torch business	Jan. 19	20
Thermal Supply Co. - refrigerant gas lawsuit	Apr. 13	42
Thompson, V. - acquired by Drexel-Burnham plant set up by Hamer-Holmes and Farberwerke Hoechst	Mar. 23	56
Thiokol Chemical Corp. - bids for share of solid-fuel booster contracts, builds \$10-million propellant plant in Camden County, Ga.	Jan. 19	24
Evanspace booster plant in Camden County, Ga.	June 1	128
Panelyte Industrial Division - glass polyester molding compound	June 1	108
Readying statement concerning woodbine, Ga. site	Jan. 5	17
Solid-fuel booster demonstration contracts	Apr. 27	30
Surplus Navy gun factory moves company into wind tunnel business	May 18	26
Thomas Publishing Co. - microfilmed equipment catalogs	Apr. 13	92
Thompson Chemical Co. - agricultural plant being built at Washington, Mo.	June 15	26
Vinyl resin capacity boost at Aberdeen, Miss.	June 8	59
Thompson-Ramo-Woodridge - mobilized computer-control system	Feb. 9	9

Idewater Associated Oil Co. — OCAW will accept 5% wage increase	Jan. 12	83
Oxo-alcohol plant onstream at Delaware City, Del.	Apr. 13	80
Tokuyama Petrochemical — petrochemical plans	May 18	37
Tokuyama Soda — ethylene dichloride project	May 18	37
Toms River Chemical Corp. — multimillion-dollar expansion planned	Jan. 12	25
Toni Co. — markets low-cost New White Rain Hair Spray	Feb. 2	64
Toyo Engineering — urea and ammonia plants to be built in India	Apr. 27	75
Toyo Soda — ethylene dichloride project	May 18	37
Trans Electric — electrolytic chlorine production heating — first standard system	Apr. 27	63
Transcontinental Gas Pipe Line Corp. — natural gas storage cavern proposed for Hackensack, N.J.	Mar. 2	55
Trepco Chemical Co. — amide series	Feb. 23	99
Tri-City Industrial Services Inc. — Tri-City Electric — power plant	May 4	70
Triplod Oil — acquired by American Metal Climax	Jan. 26	18
Tri-Kris Co., Inc. — soft-seat valve	Jan. 12	43
Trojan Powder Co. — explosion and fire destroy Allentown, Pa., unit; San Leandro, Calif., plant shut down	Apr. 20	26
Trubek Laboratories — liquid microbicide	June 29	39
Trubek Laboratories — becomes division of UOP	Feb. 2	26
Tube Turns Plastics Inc. — needle valves	Jan. 5	35
Tuloma Gas Products Co. — will market ammonia for Amoco	June 29	57
Turtle Wax, Inc. — Man-to-Man Products division releases new products, tests women's toiletries product	June 8	66
Twin City Testing Corp. — thickness tester	June 15	51
Tyco Laboratories, Inc. — thermal, electrochemical and solar energy conversion research staff expanded	Mar. 9	87
Tysanac Maine Inc. — Carbonium subsidiary takes over assets and business of Ty-Sa-Man Machine Co.	Jan. 26	27
Uhde, Friedrich — electrolytic chlorine projects with Hoechst	Apr. 6	51
Uhde, Friedrich — electrolytic chlorine projects with Hoechst	Mar. 30	49
UNARCO Industries — new name of Union Asbestos & Rubber; diversifies into materials-handling and storage equipment	May 25	56
Unilever, Ltd. — adds flavor and fragrance company to lineup	May 25	99
Unilever — Britain investigates household detergents supply situation	June 1	32
Unilever — Financial report for '62	Mar. 16	42
Unilever — Weighs No. 1 problem: where in Europe to build and market	May 18	30
Unilever — Unilever financial report for '62	Mar. 16	42
Unilever — Union Asbestos & Rubber Co. — changes name to UNARCO Industries	May 25	56
Union Barge Lines — government sues to recover costs for raising liquid chlorine tanks from Mississippi River	Jan. 19	26
Union Carbide Corp. — alcohol intermediates plant to be built near Ponce, Puerto Rico	May 11-20	70
Union Carbide Corp. — Becomes partner with W.R. Grace in Brazil's Vulcan Material Plastics, expands Brazilian PE production	Feb. 2	46
Union Carbide Corp. — Biodegradable detergent alkylate price	June 15	80
Union Carbide Corp. — Bonn, Howard S., discusses New Trade Expansion Act	June 29	5
Union Carbide Corp. — Carbon dioxide propellant marketing agreement will enhance 'one stop' aerosol sales	May 18	49
Union Carbide Corp. — Carbon dioxide propellant marketing agreement with Chemtron's Cardox Division	May 4	63
Union Carbide Corp. — Chemicals Co. — Dynel modacrylic fiber expansion at South Charleston, W. Va.	Feb. 22	26
Union Carbide Corp. — Chemicals Co. — simulation shows inventory savings	Feb. 16	36
Union Carbide Corp. — Chemicals Co. — sorbic acid and potassium sorbate food preservatives unit being built at South Charleston, W. Va.	Apr. 20	26
Union Carbide Corp. — Cooled surgical tool lawsuit	Apr. 27	40
Union Carbide Corp. — Detergent alkylate projects launched	May 15	23
Union Carbide Corp. — Ethane capacity boost	Apr. 20	95
Union Carbide Corp. — letter	May 11	10
Union Carbide Corp. — Freeze concentration technique	June 1	97
Union Carbide Corp. — Government sues to recover costs for raising liquid chlorine tanks from Mississippi River	Jan. 19	26
Union Carbide Corp. — Haynes Stellite Co. — division, changes name to Union Carbide Stellite Co.	Mar. 16	26
Union Carbide Corp. — Lignin mixed with water-soluble polyether to make water-soluble resins	Mar. 2	58
Union Carbide Corp. — LPG business sold for \$24 million	Jan. 12	23
Union Carbide Corp. — LPG operation, Pyrotax Gas Corp., to be sold to Texas Eastern Transmission	Jan. 5	18
Union Carbide Corp. — Mason, Barry, Jr., new chief: not apologizing for bigness	May 11	25
Union Carbide Corp. — Metals — chromium operations threatened by imports from Russia	Mar. 9	28
Union Carbide Corp. — Metals — 200 Series stainless steel	May 11	40
Union Carbide Corp. — Metals Co. will drop ferroalloy operations at Niagara Falls, N.Y.	May 25	33
Union Carbide Corp. — Metals Co. — Niagara Falls, N.Y., plant relocation charges denied	Feb. 23	163
National Carbon Co. — cost of high-purity graphite anodes for mercury cells drops	Jan. 12	67
National Carbon Co. — graphite cloth in tape form	June 29	39
National Carbon Co. — refractory fuel electrode	Apr. 27	75

National Carbon Co. - soft packing material	June 15	51	United States Testing Co. - forms Nationwide Consumer Testing Institute	Feb. 2	64	propylene rubber	Apr. 13	69
Nuclear Co. - glass propping agent for hydraulic fracturing	June 22	49	United Technical Industries - investors charge misrepresentation of assets, know-how and balance sheet	May 18	21	Secondary stock offering planned	Feb. 2	24
Nuclear Co. - short-fiber asbestos plant being built at King City, Calif.	Feb. 2	26	Universal American Corp. - acquires 62% stock control of Bohn Aluminum & Brass, 90% of stock of Von Kohm International	May 11	26	Warner Co. - merger complaint dismissed	June 1	54
Nuclear Co. - technetium separated from spent nuclear reactor fuels	Apr. 6	70	Universal Minerals & Metals Inc. - Monsanto takes over stewardship of Kansas City, Mo., powdered metals plant	May 4-5	24	Warner-Chilcott Laboratories - antibiotic skin cream	June 1	108
Oak Ridge Gaseous Diffusion Plant - D.F. Smith discovers and identifies xenon trioxide	Apr. 20	75	Universal Oil Products - capital stock under selling pressure	Feb. 16	20	Warren, S.D., Co. - fluosilids calcining process installed on trial basis	June 1	104
Olefins Co. - acetylene-black plant to be built at Ashtabula, O.	Feb. 16	25	Ureco, Inc. - metal inspection unit	Feb. 23	93	Warren-Tee Products Co. - acquisition by Rohm & Haas	May 25	53
Paper coating latex	May 11	48	Valley Nitrogen Producers, Inc. - sulfuric acid plant onstream at Helm, Calif.	Jan. 19	62	Water Treatment Corp. - Mississippi Valley Barge Line acquires interest in firm, will advance funds for recapitalization	Feb. 23	45
Plastics Co. - Bakelite vinyl coating resin, VAGD	June 22	74	Van Waters & Rogers - new customer service: product development teams	June 29	68	Webb & Knapp - sells part of interest in Zeckendorf Property to Alcoa	May 25	56
Plastics Co. - cellular thermoplastic insulation patent	Jan. 19	62	Wage increase	June 15	44	Weizmann Institute - transparent plastic	Apr. 6	69
Polyethers unit being built at Hythe, Hampshire in Britain	Jan. 5	17	Vanadium Corp. - chromium operations threatened by imports from Russia	Mar. 9	20	West Chemical Products Inc. - acquires Bryant Pharmaceutical Co.	Mar. 16	26
Refrigerant gas-container deposits	May 4	63	Vanity Fair Paper Mills - Georgia-Pacific Corp. moves to acquire outstanding stock	Jan. 12	25	West Virginia Pulp and Paper Co. - boosts chemical sales 15%	Jan. 5	24
Refrigerant gas lawsuit	Apr. 13	42	Varian Associates - central research laboratory being built at Palo Alto, Calif.	Mar. 2	48	Combines process development activities with the Covington Research Laboratory at Covington, Va.	June 1	128
Styrene monomer plant to be built at Seadrift, Tex.	June 1	24	Crystal technology added to research activities at Palo Alto, Calif.	Mar. 9	87	Coprecipitation of lignin particles with rubber	Mar. 2	58
Thermal Dynamics files antitrust charges over plasma-arc torch business	Jan. 19	20	Varni-Lite Corp. of America - Dan-De Products takes over national sales of epoxy coatings	Mar. 23	66	Western Ammonia Corp. - ammonia plant to be built at Dimmitt, Tex., Mar. 2-62, Apr. 6-23, June 1-31	June 29	57
Vinyl film business sold to Cadillac Plastic & Chemical	Jan. 26	25	Vegetable Oil Products Co. - Drew Chemical acquires majority interest	May 4	24	Western Electric Co. - develops continuous machine for vacuum deposition of thin film circuits	Apr. 20	76
Union Carbide of Canada - Cumming, A.A., discusses anti-Americanism issue	Feb. 16	23	Velsicol Chemicals - acquires more than 35% of Michigan Chemical	Mar. 12	18	Western Filling Corp. - Aerosol Techniques acquires outstanding stock	Mar. 30	25
Integrates to polyethylene film converting stage, acquires Polyethylene Bag Mfg. Co., moves into high-density polyethylene at Montreal East	May 25	95	Weed killer for broadleaf weeds and annual grassy weeds	Jan. 19	51	Western Industrial Equipment Co. - metal inspection unit	Feb. 23	93
Phenol-formaldehyde expansion at Belleville, Ont.	June 22	62	Verenigd Plastic-Verkoopkantoor N.V. - British firm acquires distribution rights for low-density polyethylene, Stamylan	Apr. 20	54	Western Natural Gas Co. - natural gas refund case settled	Apr. 27	40
Union Carbide International - markets imported Niox polyether in the U.K.	Jan. 5	17	Verona Dyestuffs - polypropylene dyestuffs from Bayer	May 4	69	Western Phosphates - phosphoric and ammonium phosphate expansion; bulk fertilizer distribution plan	Mar. 30-25	27
Union Chimique Belge - fertilizer venture with Fisons at Oostend, Belgium	Feb. 16	26	Vinacety Ltd. - Reichhold abandons plans to build plastics plant	Apr. 27	75	Westinghouse Electric Corp. - Aerospace Electrical Div. develops thermoelectric power system for spacecraft for Air Force	Feb. 23	116
Union Espanola de Explosivos - Royal Dutch/shell and Hoechst will join in petrochemicals project	Apr. 27	18	Vinyl Products Ltd. - Reichhold abandons plans to build plastics plant	Apr. 27	75	Claims highest-field superconducting magnet ever shipped	June 22	56
Union Generale des Petroles - petrochemical plant will be integrated with refinery at Lyon	Jan. 12	57	Virginia-Carolina Chemical - recapitalization plan - stockholder suit dismissed	Mar. 9	18	Cryopak compact, superconducting magnet system; 200-lb. superconducting magnet system	Mar. 23	78
Union Oil Co. of California - acquires complete control of Collier Carbon	May 4	24	Virginia Institute for Scientific Research opens laboratory at Richmond	Jan. 5	44	Expandable polystyrene markets may get boost from new line of radio-frequency molding equipment	Apr. 27	71
OCAW will accept 5% wage increase	Jan. 12	83	Vitro Chemical - vanadium oxide from phosphate billings venture	Mar. 16	23	Materials Manufacturing Div. - superconducting columbium-zirconium alloy	Mar. 9	55
Rubel, A. C., says Collier Carbon will bank on innovation to boost earnings	June 1	28	Vitro Corp. of America - Navy contracts for missile work	Feb. 16	25	Research Laboratories develop "world's most powerful continuous beam of light"	May 25	66
Union Tank Car Co. - builds 50,000-gal. tank car for ammonia and L.P.G.	Apr. 13	73	Processing uranium and vanadium ores alternately at Salt Lake City mill	June 1	30	Research Laboratories - Gulbransen, E., finds carbon more fireproof than some refractory metals	May 11	60
Uni-Plant Corp. - new firm will provide gas-fired central heating and air-conditioning units for industrial plants	Feb. 23	154	Vitro Minerals - Utah beryllium ore deposits dispute settled	Jan. 12	17	Research Laboratories - magnetohydrodynamic generator has been coupled with a superconducting magnet	Jan. 19	52
United Carbon Co. - acquisition by Ashland Oil nears completion	Mar. 2	18	Wyoming uranium properties transferred to Federal-Gas Hills Partners	June 1	30	Scientific Equipment Dept. - oxygen gauge superconducting magnet provides room-temperature magnetic field	Jan. 5	45
Ashland plans stock offering to finance purchase of United	Feb. 2	23	Von Kohm International Corp. - Indian affiliate will be converted into a public limited-liability company	Feb. 23	57	Transformer-rectifier unit called Rectoformer	Mar. 16	83
Research and development center dedicated to lab and pilot-plant work on carbon black and synthetic polymers	Jan. 5	44	Universal American acquires 90% stock control	May 11	26	Westing-Arc Div. - arc welder	Mar. 9	55
United-Carr Fastener Corp. - electrodeposition of metals onto molded plastic parts - new technique	Apr. 6	69	Voss Industries Inc. - Kolorock Div. - rock dyeing process	May 25	44	Westing-Arc Div. - industrial welders	May 4	70
United Dye & Chemical - stock fraud case - decision	Feb. 9	24	Vulcan Material Plastics - Grace and Vulcan acquire control of Vulcan; Vulcan and Elcor acquire 50% of Plavinil	Feb. 2	46	Weyerhaeuser Co. - chemicals-wood research agreement with Dow	Feb. 9	62
United Electric Controls Co. - differential temperature control	May 11	47	Vulcan Materials Co. - buys up its preferred and common stock	Mar. 30	25	Expands Plymouth, N.C., plant	Jan. 29	25
United Gas Corp. - Escambia Chemical deal approved by SEC	Apr. 13	19	Redeems preferred stock	Jan. 19	27	Wheels, Inc. - auto and truck leasing for '62	Jan. 19	38
50% interest in Escambia Chemical may be sold to Electric Bond and Share	Feb. 23	44	Wah Chang Corp. - acquisition by Grace and Newmont Mining - financial bill could scuttle deal	May 25	33	Schoen, Armand, reports on truck leasing	June 29	65
Holds 76% interest in Duval Corp.	June 29	25	Tooling up for shift to Bolivian tin concentrates	Feb. 9	25	White Motor Co. - manufacturer-dealer contracts case	Mar. 16	27
United Merchants & Mfrs. - Valchem Chemical Div. - nonionic polyethylene emulsion	Apr. 27	55	Wallace & Tieman Inc. - Harchem Div. - alkene anhydride	Mar. 23	35	Whitely Research Tool Co. - jacketed valves	Mar. 2	41
Valchem - polyethylene emulsion	Apr. 26	92	Walco Div. - epoxy resin curing agent	Jan. 26	92	Wiley - biological polymers journal	Feb. 23	110
United Nuclear - acquires Phillips' uranium properties; proposes consolidation of mines with Homestake Mining	Apr. 6	18	Lucidol Div. - organic peroxide cross-linking agent for vulcanizing ethylene	Mar. 30	25	Wilmington Vitamin & Cosmetic Corp. - "fair trade" suit by Parke, Davis	Jan. 5	58
United Process Machinery - portable system makes foamed urethanes	June 8	47				Wilshire Oil Co. - hydrocracking process licensed from Gulf	June 29	48
U.S. Borax - weed killers	Jan. 19	52				Santa Fe Springs refinery expansion	June 22	26
U.S. Plywood - antitrust complaint by General Plywood	Mar. 23	24				Wilson & Co. - Research and Technical Div. - proteins for cosmetics	Apr. 20	84
U.S. Public Health Service - Division of Occupational Health - Scheef, Lester, discusses plastics hazards	June 1	42				Wilson & George Meyer & Co. - planting tablet called Blue Chip	Apr. 27	52
U.S. Radium Corp. - self-luminous markers called Isolite	May 25	44				Wilson Products - dust respirator	June 1	107
U.S. Rubber Co. - acquires physical assets of Mercer Yam	Apr. 13	28				Wilube Chemical Co. - acquired by Hamier Industries	Mar. 30	25
Antioxidant for use in polymers	June 22	74				Wintershall AG - Brazilian nitrophosphate fertilizer project	June 15	61
Argentine petrochemical project - guarantee deal	Mar. 2	28				Wisconsin Alumni Research Foundation - profit rodenticide licensing agreement with Prentiss and Penick	Jan. 5	42
Bids for government's magnesium plant near Painesville, O.	June 15	26				Witco Chemical Co. - Argentine petrochemical project - guarantee deal	Mar. 2	28
Expanded Royale, a foamed plastic, will vie with reinforced polyester plastics	May 11	24				Corporate research department set up at Paterson, N.J.	Feb. 23	116
Labor contract calls for joint-study committee	June 15	46				Expansions stressed at annual meeting	June 1	29
Naugatuck Chemical - FDA approves Polygard stabilizer used in rubber and plastics	Mar. 9	61				Issues common stock to acquire Golden Bear Oil Co.	June 8	25
Polypropylene fiber dyeing technique	June 15	79				Negotiating for acquisition of Delta Chemicals	June 1	32
Research findings provide new insight into properties of plastics	June 1	104				Shifts to the offensive via central lab	Apr. 13	26
Sales hit billion-dollar mark in '62	Jan. 26	18				Worthington Corp. - Harrison Div. - Carter, A.E., discusses heat-exchange equipment prices	Feb. 16	48
Third U.S. producer of hydrazine	June 1	30				Leases Plainfield, N.J., site to Novoca	Apr. 6	27
U.S. Smelting, Refining & Mining Co. - faces proxy battle at annual meeting	Apr. 27	26				Pasteurization process treats sewage effluent to make it potable	May 4	56
Withdraws from project to upgrade Western coals to coke	Apr. 13	69				Wyandotte Chemicals - calcium chloride project at Wyandotte	Mar. 16	26
U.S. Steel - acquires 25% interest in Pittsburgh Chemical	Apr. 20	23				Chlorine-caustic unit to be built at Geismar, La.	Feb. 2	17
Coke from noncoking coal project report	Mar. 9	61				Mexican glycol and polyol venture - letter	Mar. 30	10
Columbia-Geneva Steel Div. changes	Mar. 30	18						

Yacimientos Petroliferos Fiscales - supplies raw material for Koppers' polyethylene plant	Mar.	23	56
Yardney Electric Corp. - Air Force contract to produce rechargeable batteries for torpedo power	Mar.	2	26
York Corp. - meat-aging process	June	22	50
Yorkshire Imperial Metals - plastics products venture with ICI	June	22	37
Yosemite Chemical Co. - Spill-Away cleans up oil spills on water	May 18-63, June	8	72

Zeckendorf Property Corp. - Webb & Knapp sells interest to Alcoa	May	25	56
Zenith Vinyl Fabrics Corp. - vinyl film products antitrust suit against Ford	Apr.	13	27
Zimmerman Machinery Co. - acquired by National Can Corp.	May	4	24
Zum Industries, Inc. - Fluid Control Div. - pipeline strainer	Jan.	19	65

